

BOARD OF HEALTH REPORT

1908 - 09

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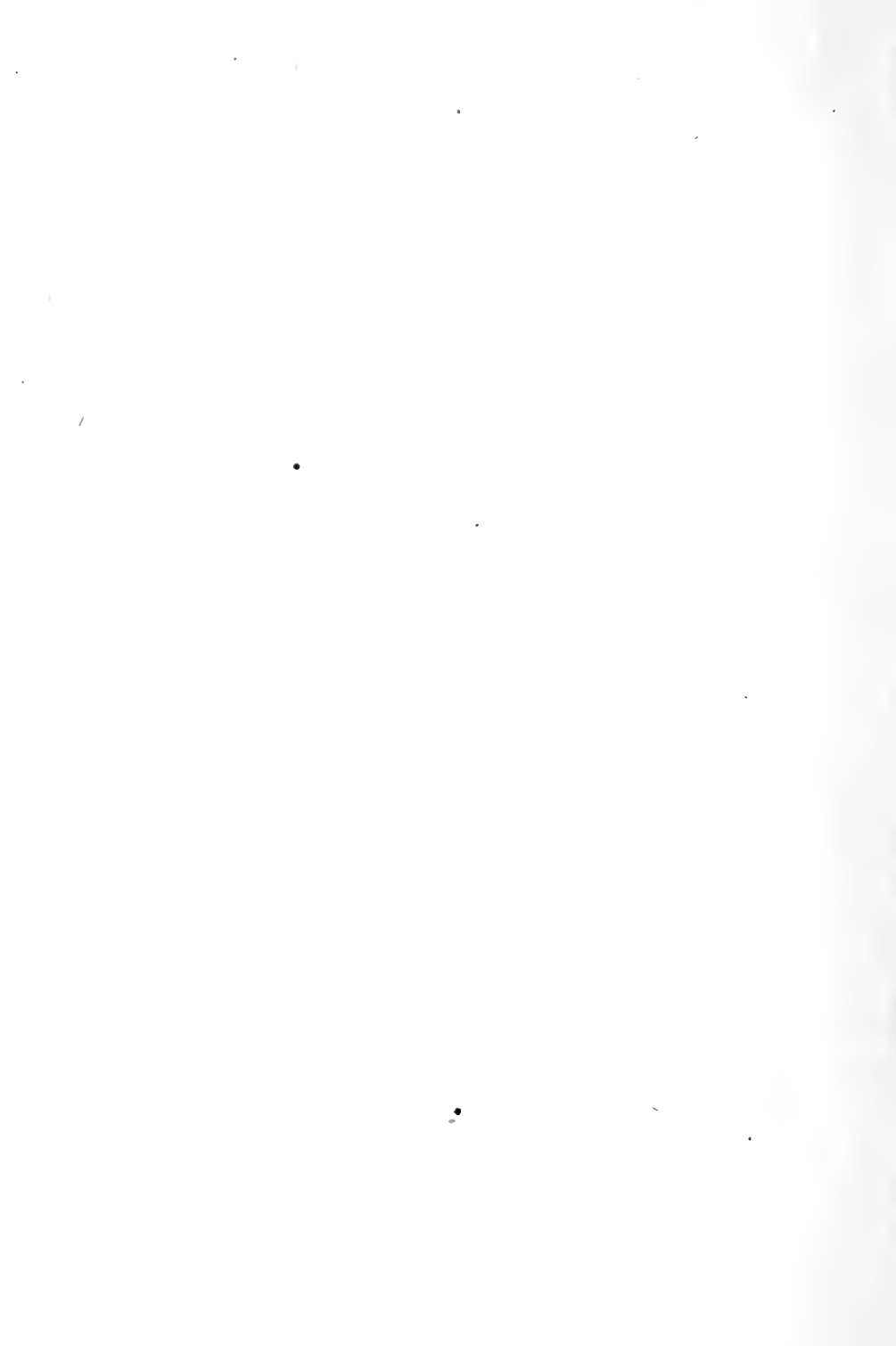
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ANNUAL REPORT

OF THE

Department of Public Health

San Francisco, Cal.

FOR THE

FISCAL YEAR, JULY 1, 1908, TO JUNE 30, 1909

BOARD OF HEALTH

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A. H. BARENDT	W. F. WILSON
R. G. BRODERICK, M. D., Health Officer	
WM. C. HASLER, M. D.	ED. M. COFFEY,
Chief Sanitary Inspector	Statistician

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Board of Health Report

San Francisco, Cal., August 26, 1909.

Honorable E. R. Taylor, Mayor City and County San Francisco, Cal.

Sir:—In accordance with Section 9, Article XVI of the Charter of the City and County of San Francisco, I have the honor to render a full report of the operations of the Department of Public Health for the fiscal year ended June 30th, 1909.

On November 30th, 1908, the headquarters of this Department, which, since the 10th of July, 1906, had been located in three election booths and a temporary building on the Hamilton School lot, was removed to its present quarters in the three-story and basement brick building at 1085 Mission Street, opposite the Postoffice, and which has been leased at a monthly rental of \$200. A warehouse for the storage of disinfectants and other materials has been constructed on a lot extending from the rear of the main building to Minna Street, for which the City pays a monthly ground rental of \$30. The total cost of improvements was \$5417.14, of which \$949.37 was spent for furniture.

On the first floor is located the Bureau of Information, Mortuary, Statistical, Special Sanitation, Auditing and Executive Departments.

The Mortuary Department issues permits for burial of bodies and cremation, permits for disinterments and removal of bodies. In this division is kept duplicate record of deaths occurring in the City and County, and of deaths outside of San Francisco where exchange of burial permits are made. Here also are kept the death records saved from the fire of 1906.

In the Statistical Department are kept the birth certificates from which the monthly bulletin of Vital Statistics is compiled. Health reports from nearly every city in the United States and the principal cities of the world are filed here for reference.

The Department of Special Sanitation is devoted to the handling of supplies used in anti-plague measures by the United States Public Health and Marine Hospital Service.

The Auditing Office has charge of the supplies and accounts of all institutions under the control of this Department.

The Executive Office supervises all correspondence pertaining to the Department. In this office is established a filing system, which, after investigating various methods, has been patterned after that used by the Postoffice Department.

On the second floor is located the meeting room of the Board and the Bureau of Sanitation, which embraces the Dairy, Food, Industrial, Market, Plumbing and Sanitary Divisions under charge of the Chief Sanitary Officer. Here also are held examinations of applicants for Master Plumbers' licenses.

The third floor is devoted to the Chemical and Bacteriological Laboratories.

On January 1st, 1909, the term of Mr. John P. McLaughlin as a member of the Board of Health expired and Mr. James W. Mullen was appointed as his successor. At a meeting of the Board of Health held on January 11th, 1909, Dr. William Ophuls was reappointed President and the members of the Board were thereupon assigned to the following committees:

Building Committee—Mr. Wilson, Chairman; Mr. Mullen and Dr. Huntington.

Finance Committee—Mr. Bullard, Chairman; Mr. Mullen.

Hospital Committee—Dr. Huntington, Chairman; Mr. Bullard and Dr. Manning.

Sanitation Committee—Dr. Manning, Chairman; Messrs. Hillyer and Wilson.

Legislation Committee—Mr. Hillyer, Chairman; Dr. Manning.

During the year the measures for the eradication of plague, which were inaugurated in September, 1907, have been vigorously continued by the United States Public Health and Marine Hospital Service under the guidance of Surgeon Rupert Blue. Some idea of the magnitude of this work may be obtained from the following figures:

2,145,871 poisons were placed and 5,839 dead rats were found. 96,700 rats and 6,623 mice were trapped. There were 267,955 inspections made; 29,938 nuisances abated; 9,362 garbage cans installed; 1,302 premises cleared of rubbish, and 1,677 vessels inspected. The wooden planking of 1,081 floors, 570 passageways and 503 yards were removed and replaced with concrete or left bare. In destroying 18,404 rat harbors it is estimated that 3,570,933 square feet have been covered with concrete.

Special attention has been given to the enforcement of the building law requiring the ground area of new premises to be concreted, and prohibiting board walks or planked yards.

The Board of Health met every week to consider complaints against insani-
tary premises in which resistance had been offered. The following is a synopsis of this work:

Nuisances.	No.	Remaining from Last Year.	Abated.	In Process of Abatement.
Stables	283	78	225	136
Dwellings	162	61	129	94
Miscellaneous	119	42	120	41
Total.....	564	181	474	271

The Board of Health has been restrained in twenty-three cases which have been referred to the City Attorney. The ease with which a restraining order is obtained and the delay which ensues before such cases are heard has been a serious obstacle to the work of this Department in eradicating plague.

The last case of human plague in this City sickened on January 30th, 1908. The dead have been inspected by the Federal Health authorities, the total number for the year being 5,998; of these four, whose death were suspicious, were autopsied and the Bacteriological examination proved negative of plague.

Rats infected with plague were found as follows:

1 taken from the Depew warehouse, Third and Channel Streets, July 25, 1908.

1 taken from the same locality on August 4, 1908.

1 taken from the California warehouse, 631 Second Street, October 2, 1908.

1 taken from the same location on October 30, 1908.

The United States Public Health and Marine Hospital Service has demonstrated during the past year the existence of a plague epizootic among ground squirrels in Contra Costa County, an infected ground squirrel having been found during August, 1908, on a ranch near Concord, where a boy, during the previous month, had died of this disease. The Federal Health authorities have examined several thousand ground squirrels, of which thirty-eight have been found to be infected.

Constant vigilance will be necessary to prevent the recurrence of plague in this City. With this end in view an ordinance prohibiting the importation and sale of ground squirrels in the City and County of San Francisco has been passed.

BUREAU OF SANITATION.

A full report of the work of this Bureau has been made by the Chief Sanitary Officer, and will be found on page 9.

All the inspectors of the Department of Public Health, with the exception of the Sanitary Officers, have been uniformed.

During the month of February, 1909, Police Officer Rice was assigned to the work of inspecting street cars. Each car is now swept daily before leaving the barn and is washed and disinfected at least once a week. This work has been well organized by Officer Rice, whose report will be found on page 16.

DIVISION OF DAIRY INSPECTION.

On February 21st, 1909, a new ordinance providing for the inspection of dairies and of sending milk into the City and County of San Francisco went into effect. Veterinary Surgeon Chester L. Roadhouse, a graduate of Cornell University, who has given particular attention to the study of dairy sanitation, was, upon, the recommendation of the Milk Improvement Association, who pays his salary, appointed Chief Dairy Inspector.

There are thirty-one dairies producing milk within the City and County of San Francisco and about 120 dairies in the adjacent counties shipping milk into this County. This does not include the dairies furnishing milk for the cream supply of this City, the number of which is estimated to exceed 500. The improvement in the milk supply of this City is in great part due to the work of the Milk Improvement Association, which was originated at the instance of the California Club by delegates from various organizations. Mr. W. E. Moore, Secretary of the Milk Dealers' Association, also acts as Secretary of the Milk Improvement Association. The Health Officer is a member of the Executive Committee, which holds its meetings in the Board room of the Department of Public Health. The object of this excellent organization is the improvement of the milk supply of this City, and in this work it is securing the co-operation of the better class of milk producers and distributors, many of whom have contributed to the fund raised by this Association for the employment of a qualified dairy inspector.

The new dairy ordinance established the grade of certified milk, the production of which is by law under the control of a Milk Commission, consisting of seven people appointed by the County Medical Society of San Francisco organized under a charter by the Medical Society of the State of California. Certified milk is milk produced from cows free from tuberculosis or other disease and which is handled under cleanly conditions. The milk is poured into a sterile bottle, closed with a cap bearing the day of delivery, sealed with paraffine, and the certificate of the Medical Milk Commission placed over the same. This milk is kept on ice until it reaches the consumer. There are about 1,300 quarts of certified milk being sold in San Francisco at the present time. Owing to the price of certified milk, due to the extra cost of production, the use of same will be chiefly as a food for babies and invalids.

There is need for the establishment of a second grade of milk to be known as "inspected milk," which shall be clean raw milk from healthy cows as determined by the tuberculin test and physical examination by the Dairy Veterinarian; the cows to be fed, watered, housed and milked under good conditions, but not necessarily as stringent as those required for the production of certified milk. The milk would be delivered in sterilized containers, to be kept at a temperature not exceeding 50 degrees Fahrenheit until it reaches the consumer; further, not to contain more than 100,000 bacteria per c. c. Inspected milk could be produced at moderate price within the reach of all.

On April 17th, 1909, an ordinance was passed abolishing the two cow limit in the City and County of San Francisco on and after the first of January, 1910, and requiring that not more than two cows to the acre would be maintained in the City and County after that date.

On page 31 will be found the report of the Chief Dairy Inspector.

DIVISION OF MEDICAL SCHOOL INSPECTION.

For the first time the Board of Supervisors authorized in the annual budget of 1908-09 the employment of one medical inspector and four school nurses. Dr. C. R. Bricca, a specialist in the ear, eye, nose and throat, was made medical inspector, and upon the recommendation of the Associated Charities, the Telegraph Hill Settlement and other philanthropic organizations, the following were appointed school nurses: Miss Edith Flynn, Miss Josephine Graham, Miss Katherine Shane and Miss Katherine Wynne. It being manifestly impossible to properly inspect with such a small force the 49,520 pupils in the 93 schools, it was decided to assign the nurses to those sections whose school children were relatively in the worse hygienic condition. The four following districts were established:

1. North Beach District, including the Washington Irving, Garfield, Cooper, Yerba Buena, Jean Parker and Hancock Schools, with an enrollment of 2,718 pupils.
2. Mission District, composed of Haight, Agassiz, Bryant, Columbia and Starr King Schools, having an enrollment of 3,205 pupils.
3. The Potrero District, covering the Burnett, Bay View, Irving Scott, Visitacion Valley, South End and Buena Vista Schools, having an enrollment of 2,831 pupils.
4. The Bernal Heights District, composed of the Holly Park and Bernal Heights Grammar School, having an enrollment of 1,266 pupils.

By this method 19 schools only, having an enrollment of 10,300 pupils, were placed under medical inspection.

The school nurse devotes a portion of each day to a school, examining those children who are referred to her by the principal, attending to simple ailments, such as abrasions, ringworm, impetigo, vermin, etc., and making notes of those cases which require the attention of the Medical Inspector. She also visits the homes of the school children and advises the mother of the importance in having the ailments of the child properly attended to by the family physician. In indigent cases she sees that the children are properly attended to in free clinics and that worthy parents are assisted by the Associated Charities. Many cases of unreported communicable diseases are brought to the attention of the Department of Public Health as a result of the home visits of the school nurses and contacts are thereby excluded from school.

Much attention has been given to the enforcement of the State Vaccination Law, which requires that every person attending a public school shall show evidence of having been successfully vaccinated. At the request of this Department, the Board of Education adopted a new form of certificate which requires the physician to certify that he examined the wound two weeks after vaccination and that the same is successful. The vaccination of indigent children is performed by the Medical School Inspector, and also by the City Physician at the Central Emergency Hospital or by one of the assistant surgeons at the Potrero and Mission Emergency Hospitals.

The importance to the public health of an honest interpretation of the vaccination law was demonstrated by the discovery of eleven cases of smallpox in a class-room of the Garfield Primary School, eight of whom had certificates of vaccination signed by reputable physicians. Before the epidemic was checked 29 cases of smallpox occurred.

Every Saturday morning a lecture on Medical School Inspection is given by Dr. Bricca to the school nurses in the Board room of this Department.

White enameled surgical dressing-tables for emergency dressings have been placed in some of the schools. Card index-boxes have been furnished each of the nineteen schools wherein the physical examination and medical record of each pupil is filed.

Since the appointment of Dr. N. K. Foster, formerly Secretary of the State Board of Health, as Inspector of Schools for the City of Oakland, and of Dr. Ernest Hoag to a similar position in Berkeley, it is hoped that a uniform system of medical school inspection for the bay cities may be inaugurated.

On page 18 will be found the report of Medical School Inspector.

CHEMICAL LABORATORY.

The Chemical Laboratory has been situated in its new quarters since the latter part of November, 1908, and is well equipped to handle the work assigned to it, which at the present time consists chiefly of analysis of water, milk, meat and miscellaneous substances furnished by contract, such as butter, baking-powder, vinegar, sugar, syrups, and catsups, submitted by the institutions under control of the Department of Public Health.

A competitive examination was held by this Department in September, 1908, to fill the position of second assistant chemist.

3,412 samples of milk were analyzed during the year, of which 11% were below standard—a material improvement over the year 1907-08, when 21% were below the standard. The worst samples of milk were obtained from restaurants, stores and bakeries, next from the distributors and last from the producers. By reason of the Supreme Court upholding the right of a municipality to establish its own standard for milk an ordinance was passed making the same after the first of April, 1909, 3.4% for milk fat and 8.5% for solids not fat.

Samples from each of the distributing reservoirs of the Spring Valley Water Company are now taken at least twice each month. Numerous samples have been taken from wells, the majority of which furnish water to dairies. These analyses of well water usually show evidence of contamination. A pure food ordinance, copied after the State Law, is now in course of preparation.

As the Chief Chemist is required to spend much of his time in the Police Courts, this Department is endeavoring to have all health cases heard only on certain days of the week.

On page 40 will be found the report of the Chief Chemist.

BACTERIOLOGICAL LABORATORY.

In December, 1903, the Bacteriological Laboratory was established in its present quarters and was completely equipped for municipal health research work. A separate house was built for guinea pigs and other animals used for experimental work. During the year a card index system for all records in this laboratory has been introduced. Printed blanks are supplied to inspectors and physicians to furnish data required to accompany specimens and are pasted on the reverse of the Record Cards, which in turn are numbered, the number assigned alone being used in labeling slides, cultures and specimens. Asphalt-lined wooden containers, sterile swabs and ½ gram shell vials with lancets have been distributed to drug-stores that have applied for them, where they may be obtained without cost by physicians. These are distributed to facilitate the sending of specimens for examination to the Bacteriological Laboratory.

On page 66 is the annual report of the Bacteriologist.

BOARD OF HEALTH

BUREAU OF STATISTICS.

On October 25, 1908, as a result of advice received from the City Attorney, this Department notified all registered physicians in the City and County of San Francisco that on and after November 15, 1908, it would not accept for registration any certificate not filed within five days after birth. This ruling may work hardship in some cases, but the law is clear and this Department is without power to register any certificate of birth not filed within the time prescribed. Although this practice has been in existence only about seven and a half months, 20% more births were recorded during this year than the year previous.

BUREAU OF ACCOUNTS.

The reorganization of the system of handling the finances of the Department of Public Health, which was begun in March, 1908, was not completed until the beginning of the present fiscal year.

All requisitions for supplies are now sent to the Bureau of Accounts where a purchase order, specifying the article, price of same, whether contract or non-contract (in latter case at least three bids from reputable firms are obtained), is made, and after approval by the Health Officer, the original is sent to the firm supplying the goods; the duplicate copy is filed and the triplicate is sent to the institution which is to receive the goods. The demand must be accompanied with the original order, with which it shall agree; and the employee actually receiving the goods must vouch for the correctness in quality and quantity of the articles received.

The auditor of this Department is now required to inspect the accounts of the City and County Hospital, Emergency Hospitals, Isolation Hospital and the Relief Home for the Aged and Infirm. To facilitate this work all institutions will adopt, after July 1st, 1909, the same system of accounting as is now used in the central office.

On page 125 is the financial statement of the Department of Public Health.

On page 128 is a monthly financial statement of the central office.

On page 129 is a tabulated report of Special Sanitation Fund expended in conjunction with the United States Public Health and Marine Hospital Service.

EMERGENCY HOSPITALS.

There are five Emergency Hospitals.

The Central Emergency and Detention Hospital is still situated in Jefferson Square. This temporary building, erected after the fire of April, 1906, is now in urgent need of repairs, which the Board of Supervisors have been requested to authorize.

The Harbor Emergency Hospital is maintained in a wooden building located on the site of the proposed Ferry Annex, in which it is hoped the Harbor Commissioners will allow sufficient space for an Emergency Station on the water front.

The Mission Emergency Hospital, opened on the first of April, 1909, is a temporary structure built on the old City and County Hospital site.

The Park Emergency Hospital is maintained as an ambulance station in charge of a hospital steward. Arrangements have been made whereby emergency cases occurring in the Sunset or Richmond Districts requiring immediate attention of a doctor may be taken to the Hahnemann or University of California Hospitals.

The Potrero Emergency Hospital is situated in a rented store which requires renovating, but no improvements can be made until it is decided whether the City will build an emergency station in this neighborhood.

In order that surgeons may accompany the emergency ambulances, the position of interne, who serves without pay, has been created. Internes are eligible for appointment as emergency surgeons when a vacancy occurs, which, after July 1st, will be every three months.

It is proposed to have the ambulance drivers and hospital stewards when attached to ambulances wear a uniform similar to that now worn by inspectors of this Department.

On page 107 will be found the report of Chief Surgeon.

ISOLATION HOSPITAL.

The Isolation Hospital includes the Smallpox, Leper and Plague Departments under the management of Chief Surgeon O'Neill, who in addition examines all cases of smallpox and chickenpox reported to the Department of Public Health.

One of the notable events of the year was the completion of the new Smallpox Hospital, which was formally opened by the Mayor and the Board of Health on June 21st.

I regret to state that conditions existing in the Leper Hospital are as bad as they were a year ago, due to the dilapidated condition of the building. These unfortunate people who are compelled to pass the remainder of their lives in confinement are the most deserving of our dependents and are entitled to better treatment than has been accorded to them in the past. Plans are now being prepared by City Architect Rixford for a Leper Hospital, built on the cottage plan.

The Plague Hospital, although practically closed at the present time, is so equipped as to be available at a moment's notice. One of the cottages has been converted into a morgue, the building formerly used for that purpose on the old City and County Hospital site having been destroyed. It has been recommended to the Board of Supervisors that the property on which this hospital is situated be purchased by the City.

The report of Chief Surgeon will be found on page 119.

THE CARE OF THE CITY'S SICK.

The City Physician is required to treat the indigent sick. He holds sick call at the Central Emergency Hospital, where he examines physically all persons requesting admission to a hospital or to the Relief Home for the Aged and Infirm. In addition to these duties he is required to visit the City Prisons and the County Jail.

The report of the City Physician will be found on page 122.

The City and County Hospital is maintained temporarily in buildings at the Ingleside racetrack until the new municipal hospital, now being erected on Potrero Avenue and Twenty-second Streets, is completed. Although these buildings, which were formerly used as stables, are unsuited for hospital purposes, much has been done to improve general conditions. One building was remodeled by the Associated Charities so as to accommodate seventy-five male tubercular patients; a portion of another building was set aside for the accommodation of thirteen female tubercular cases; the contagious pavilion has been enlarged; cottages have been fitted up as quarters for nurses and orderlies, and the wards have been connected by covered corridors; the operating room has been more

liberally equipped; a reference library for internes and nurses started, and the control of the patients' food placed in the hands of a dietician. During the past winter, despite the use of asphalt paint, many of the buildings leaked, and it is imperative that the roofs be made water-tight before the advent of the rainy season.

On August 20, 1908, at the request of the Hospital Committee of the Board of Health a meeting was held at which representatives of the visiting staff of the City and County Hospital, of the Medical Profession at large, and of the Associated Charities were present. This conference, after careful deliberation, was of the opinion that acute cases should not be sent to the City and County Hospital on account of its inaccessibility, poor condition of buildings and lack of nurses. As a result of this meeting the Board of Supervisors was requested to set aside a sum sufficient to send acute medical and surgical cases, maternity cases and children to private hospitals, and thereupon \$15,000 was appropriated. A special rate of \$10 per week for adults was obtained from the Hahnemann, Lane and University of California Hospitals, and of \$25 per month for children from the Children's, Hahnemann and Lane Hospitals.

The financial condition of all applicants to the Department of Public Health for admission to a hospital or to the Relief Home is investigated by Mrs. Newell, the Inspector of Hospitals, who, by reason of long experience with the Associated Charities, is well qualified to fill this position. By this means unworthy persons are prevented from forcing themselves upon the City. Cases are referred to societies who should provide for their sick, and non-residents are returned to their homes.

City cases in private hospitals, with the exception of children, are transferred after thirty days to the City and County Hospital unless their condition prevents removal.

On May 24th an ordinance was approved authorizing the collection of \$15 per month for the maintenance and support of every poor, incompetent or incapacitated person or his relative who is able to pay for his support. This ordinance was adopted in accordance with a State Statute approved March 2d, 1901, which provides for the maintenance and support of indigent, incompetent and incapacitated persons who become public charges and for the payment thereof into a fund for the maintenance and support of such persons.

On page 70 will be found report of the Warden of the City and County Hospital.

On page 95 will be found the report of the Inspector of Hospitals.

RELIEF HOME FOR AGED AND INFIRM.

The reinforced concrete infirmary, with accommodations for 250 patients, is now in course of erection and should be completed within eighteen months.

A better system for fire protection for the buildings has been installed.

During the past year a number of improvements have been made by inmate labor, among which may be mentioned:

Reinforced concrete barn for accommodating thirty-six cows, all of which have been tested for tuberculosis.

Reinforced concrete addition to the butcher shop for cold storage.

A five-room bungalow.

A glass hot-house.

Respectfully,

R. G. BRODRICK, Health Officer.

Report of the Bureau of Sanitation

WM. C. HASSLER, M. D., CHIEF SANITARY INSPECTOR.

I have the honor to submit the following report of work performed by the various divisions under my supervision, and the Chemical and Bacteriological Laboratory reports, for the fiscal year from July 1st, 1908, to June 30th, 1909:

The Division of Sanitation during the year confined its work principally to the investigation of contagious and infectious diseases, and in part to the sanitary inspection of premises where application for permits were made for the erection of stables, in accordance with the provisions of Ordinances No. 334 and 345. The investigation of complaint nuisances were submitted to the District Commanders of the Special Sanitation force for the eradication of plague, as in 1907-08.

The activity and energy with which both forces have prosecuted their work during the past year has resulted in the bringing about of a condition of general sanitation of dwellings, places of business, stables, areaways, factories, warehouses, and the like, to a point far beyond what was previously thought possible, and the City's public work has also made great strides by the surveying, grading and sewerage of many streets in the outlying sections. Much still remains to be done, especially in the following districts, to-wit: Between Army Street, San Bruno Road, County Line and Mission Street, a section that has grown rapidly since the fire, and where one of the greatest needs exists, that of installing of a sewer system, the main outlet of which would be in San Bruno Road with tributaries reaching along the intersecting streets, that will make it possible to carry householders' waste water away from their immediate premises.

On two occasions during the past year small epidemics of scarlet fever occurred in this section which were undoubtedly primarily due to the cesspool system of sewage disposal.

Another section of the City that needs immediate and urgent attention is the so-called Sunset District. Here for years past the sewage from this section has been conveyed by tributary sewers into one main located in H Street, which empties into a cesspool within the confines of Golden Gate Park, at or near the intersection of Nineteenth Avenue and H Street. From this cesspool the sewage was disposed of, over an area of Golden Gate Park between the south drive and H Street, west from Nineteenth Avenue. This is a serious menace to life and health in a large city, particularly where conditions obtain as in San Francisco, and more particularly when such sewage disposal occurs in a public park where hundreds congregate and are subject to the action of infectious material carried in the thus contaminated sands by the strong trade winds. That this contamination of the sandy soil which covers Golden Gate Park exists is shown by the result of the recent examination of the Park water supply, which was found to contain the Bacilli Coli Communis; nor is this the first time this result has been demonstrated, but as the proper authorities are engaged in an effort to eliminate this menace to the water supply, further comment thereon is unnecessary, except to use as an emphasis for the needs of the immediate construction of the outlet sewer contemplated on Forty-eighth Avenue, which shall extend to Baker's Beach and for which bonds are already provided. This will then receive the sewage from the H-Street sewer and also relieve the district known as Carville, and a portion of the Parkside district.

How funny how pathetic it is in this dist. to read over our past efforts - we worked earnestly & hard but cure was dominant - to prevent a dream (except for South)

*July 1929
D. Fair v.
Chapman
think that
ego I failed
recognize
Career must
of Sewage eff
as the cause
this rather
commence
desires
W.C.H.*

The next most important district that needs early attention is the section of the City to the south of the City and County Hospital site, and bounded by San Bruno Road on the north, Kentucky Street on the south, and between Eighteenth and Twenty-fourth Streets. Here the hillsides have been thickly settled, in the main by a foreign population, who care little for sanitation even when located so as to readily dispose of waste and sewage conveniently.

The soil in this section is mainly of rock formation that renders cesspools impracticable because seepage into the deeper strata is impossible, hence waste water, night soil and other waste is promiscuously evident, and only the constant vigilance of the inspectors of the Health Department, Special Sanitation forces and the Miss Briggs Nurses' Settlement Workers has kept the district within bounds.

The low property valuation has in the past been one of the obstacles toward providing this section with the necessary public facilities. This, however, should be overcome if necessary by special appropriations, for the mass of the people pay dearly for this deficiency, as is shown by the contagious disease report which discloses a steady increase in the number of cases of scarlet fever, measles, chicken pox, whooping cough and mumps since 1906, and this with the decrease in the number of inhabitants in the City. The primary cause of these diseases being the lack of proper facilities for the sanitary disposal of sewage and waste, and concomitant factors the building up for resident purposes of such sections, consequently subjecting the population to unavoidable contact with cases and infectious material.

For the fiscal year 1906-07 there were 229 cases of scarlet fever reported; for 1907-08, 246 cases; for 1908-09, 499. The number of cases of measles for the same period is respectively as follows: For 1906-07, 1,236 cases; 1907-08, 910 cases; 1908-09, 2,115. January, February and March of this year provided the greatest number of cases, an average of 33 new cases were reported daily, due no doubt to the contact of non-infected as a result of confinement within doors on account of the heavy rains restricting the time usually spent outdoors by these children.

The increase in chickenpox is respectively as follows: 1906-07, 92 cases; 1907-08, 248 cases; 1908-09, 434.

Parotitis—1906-07, 7 cases; 1907-08, 56 cases; 1908-09, 472.

Pertussis—1906-07, 5 cases; 1907-08, 57 cases; 1908-09, 328.

Diphtheria shows a decrease over last year of 75 cases. In 1907-08, 664 cases were reported; 1908-09, 589 cases.

I believe this decrease to be directly the result of the liberal and free distribution of Antitoxin by the Department. Approximately 300,000 units were distributed to attending physicians to properly immunize hundreds of contacts, as well as treat the afflicted among the indigent classes, who, under other conditions, could not have been saved at the critical period.

There is noted this last fiscal year a decrease of 164 cases of smallpox over last year, and may be in part due to the vigilance of the Department and in part to the co-operation of physicians throughout the City, but that this latter statement seemingly does not hold true is evidenced by the history of the 34 cases occurring during the month of October, 1908, when, as a result of neglect on the part of certain physicians practicing in the Telegraph Hill section to report to the Board of Health certain cases of smallpox and which cases were only discovered by the School Medical Inspector, whose attention being called to the absence of the pupils, together with the Sanitary Inspector, made an investigation and systematic inspection of the district with the result of discovering a total of 22 cases among the school children attending the Garfield, Hearst and Irving Schools, and of 9 adult contact cases. These schools were ordered closed and carefully fumigated, the Hearst and Irving Schools for two weeks and the

Garfield for a period of six weeks. During all of this time inspection was maintained in the district and no child was permitted to return to school until satisfactory evidence was presented of successful vaccination.

Two important points are forcefully portrayed in the occurrence of this disease in these three schools wherein some eight or nine hundred pupils congregate and all located within one small district of less than half a mile in area, to-wit: the prophylaxis of vaccination which confined the disease to the unvaccinated; and second, the result of the vigilance of the Department which, in separating the afflicted and contacts, vaccinating the latter, and the maintaining of a daily inspection during the incubatory period, prevented a large epidemic. *Small*

School medical inspection is undoubtedly one of the most important causative factors in the recording of the increase in the number of contagious and infectious diseases for the past fiscal year, as well as unquestionably preventing a still larger number of cases from occurring. Again, the Department's frequent notices sent to physicians calling their attention to the law requiring them to report to the Board of Health all cases of infectious diseases attended by them, and the check system in vogue, whereby delinquents are specially notified, has also played its role in bringing to official notice the contagious and infectious cases.

The 256 cases of typhoid fever which were reported during the year have, with the exception of 166 cases, been brought into the City for treatment; 57 cases are known to be contacts of the latter. Those cases which had their origin within the City and County were carefully investigated to determine the source of infection, but in no instance could the same be attributed to water or milk; in fact, not a single case of infectious disease occurring during the year was classed, so far as origin is concerned, to the water and milk supply, both of which are the subject of investigation and inquiry in all cases of contagious diseases.

DIVISION OF SANITARY DISINFECTION.

The work of this division has been materially added to by the carrying out of the Board's order to fumigate all premises where cases of tuberculosis occur, and also where persons had died from the disease. A change in the method of performing the work of this division has also been adopted, by which the sanitary inspector of each district is in close touch with all cases of contagious and infectious diseases from the time the same is given a matter for investigation until the premises are released after fumigation.

The sanitary inspector makes an inspection of the premises where a case exists that is reported by the attending physician as being ready for fumigation, and upon special cards he notes the number of rooms that are to be fumigated, the number of cubic feet therein contained and the character and quantity of material required for fumigation. The disinfecter proceeds on this data, seals the doors, windows, etc., and places the material and test plate, and after a period of not less than six hours in any case, and usually from twelve to eighteen hours, has elapsed the sanitary inspector reinspects the premises, breaks the seal and returns the test culture to the laboratory, which reports back whether the fumigation has been effective or not. If the plate shows growth in 24 to 48 hours the premises are refumigated.

DIVISION OF PLUMBING INSPECTION.

The report of this division shows a decrease in the number of plans submitted for new buildings, and also the number of permits granted for the past fiscal year, as is evidenced by a comparison with the reports of 1906-07 and 1907-08.

BUREAU OF SANITATION

Fiscal Year	1906-7.	1907-8.	1908-9.
Plans submitted.....	4,470	2,544	2,394
Buildings represented.....	5,337	2,833	2,788
Inspections on above	15,221	16,648	17,425
Permits granted for repair work.....	685	1,062	822

During the year 13 arrests were made for violation of the Plumbing Ordinance, and one Master Plumber's license suspended for a period of two months, by order of the Board of Health, for violation of Section No. 178 of the Plumbing Ordinance.

During the past year 102 applicants registered for examination to obtain a Master Plumber's license. Of this number 70 failed to pass the test of arranging a system of plumbing for a house plan, and 14 failed to pass the written examination on theory and practice of plumbing. By reason of the Civil Service plan of examination in vogue, which was adopted during 1908, there has been a smaller percentage of applicants who passed the test, and it is the consensus of opinion of the Examining Board, that a correspondingly higher standard of excellence is shown in those who were successful.

DIVISION OF INDUSTRIAL INSPECTION.

The one inspector assigned to the work of industrial inspection has devoted the most of his time to bakeries, restaurants, and laundries, with a view of bringing about a better general sanitary condition by the installing of proper fly screens, getting rid of rat harbors in bakeries and restaurants and enforcing of cleanliness in laundries, particularly Chinese laundries, wherein dozens of sprinklers for clothes were destroyed during the year because the water was forced out of the particular sprinkler by means of the mouth. An amendment to the existing Ordinance which covers this insanitary procedure has been submitted, and when passed, the Department will be in a position to make arrests.

The inspector in this division has also been for a time detailed on street railway car inspection, particularly to note whether the companies operating the cars complied with the law requiring washing, sweeping and disinfecting of cars, as set forth in Ordinance No. 1378; but as an officer from the Police Department has been specially detailed for this work to the Board of Health, upon the request of the Health Officer, the industrial inspector was withdrawn from the work, and in conjunction with the other duties of this division, acted with the food inspectors in supplying samples to the laboratories.

DIVISION OF FOOD INSPECTION.

The two inspectors assigned to this division have devoted the major part of their time to the collecting of samples of milk, water and other food stuffs for the chemical and bacteriological laboratories, and also in the prosecuting of offenders of the milk and food laws. These two men also inspect all butter and eggs consigned for the use of the institutions under the charge of the Board of Health.

DIVISION OF MARKET INSPECTION.

The great needs of the Department to properly carry out the work of meat inspection will be realized when the new meat ordinance submitted by the Board in May of this year to the Supervisors for adoption, becomes operative. This ordinance contemplates that all abattoirs, sausage factories, meat canning and rendering plants not under Government inspection shall pay a license fee to the Tax Collector which will be adequate to maintain inspection under the supervision of the Board of Health on similar lines adopted by the Bureau of Animal Industry

of the Department of Agriculture. This law will also require these places to comply with certain regulations of sanitation, and also that all products prepared by them must bear the inspection legend or stamp before they can be sold to the trade or consumer.

Since the earthquake of 1906 the crab and shell fish industry around San Francisco bay has been gradually decreasing until during this past year nearly all of this commodity has had to be brought from the northern section of the State, as well as from points still farther north. Whether the cause for the disappearance of this food product is due to the earthquake or lack of conservation, or to some other predatory or destructive element seems to be unknown. The fact remains, however, that crabs, etc., have almost disappeared from the vicinity of San Francisco, where formerly they were plentiful.

The great demand for crabs in particular has caused dealers to send fishermen to the northern section of the State, who send into this City during the open season, which is from November 1st to March 1st, an average of four to six hundred dozen crabs weekly. At first this product arrived in good condition, crabs having been cooked, shipped and packed in ice. Competition and avarice soon replaced regard for effect on consumer, and crabs were simply packed alive into sacks and shipped. This resulted in the death of nearly all while in transit, either by suffocation or starvation, and when put upon the market were a product that was a serious menace to the life and health of those consuming the same. After repeated warnings without compliance, the Department submitted to the Supervisors an ordinance which was immediately passed as a law, that makes it a misdemeanor to bring into the City and County of San Francisco any shell fish unless the same have been cooked for a period of not less than forty minutes in boiling water and packed in ice while in transit to this city, or it further provides that same shall arrive alive and in good healthy condition. Only one shipment of 400 dozen needed to be condemned and destroyed after the passage of the above law. Now a caretaker accompanies each shipment, whose duty it is to constantly keep the shipment soaked with fresh sea water from a hose while in transit. The shipment on arrival is examined by the market inspector, who confiscates all dead crabs found. For three months past it has been a rare thing to find more than four dead in a sack of two dozen crabs.

DIVISION OF DAIRY AND MILK INSPECTION.

The number of dairies producing milk within the limits of the City and County of San Francisco has decreased over fifty per cent since June 30th, 1907 due no doubt to one or the other of the following conditions, to-wit:

First: The earthquake and fire of 1906 created conditions that disorganized the normal routine of trade and population so that the supply was in excess of the demand, causing many to dispose of their interests or remove to sections contiguous to points across the bay, where new demands for the supply were manifested.

Second: Feed for cattle, cost of labor and other incidentals in the production became materially higher, and in excess of that of producers located in other counties then shipping into the City plus the freight, which made it difficult to meet the competition.

Third: A very large percentage of the City's population, forced by the fire and earthquake to abandon their homes in the burned district, had eventually to seek new homes, a necessity which owners of large open tracts were quick to

take advantage of by subdividing their land and selling to home seekers, and as ninety per cent. of the dairies were located on these tracts and had only tentative leases, the areas for pasturage were curtailed and necessarily the demands for better sanitation increased; two conditions that for several reasons rendered it difficult to produce milk in cities, and, moreover, with the crowding of residences into a section near a dairy, soon produced a demand for the abolition of the dairy both for the reason of improving health conditions and enhancing property values.

The number of milk distributing depots classed as dairy depots on the other hand has increased in number. To show the ratio I submit the following figures from the reports:

Rear	1907.	1908.	1909.
Depots (about).....	76	90	112
Dairies	69	49	31

C. L. ROADHOUSE, D. V. M.

I have the honor to submit herewith my annual report for the fiscal year ending June 30, 1909, as follows:

The number of inspections made during the year is shown in the following tabulation:

Starting with the month of February, thirty-one dairies, which include all within the City and County of San Francisco, were inspected. Since that time ninety-six first inspections of dairies have been made, as follows:

Marin County.....	42
San Mateo County.....	33
Santa Clara County.....	16
Alameda County.....	4
Sonoma County.....	1

It is estimated that there are twenty-three dairies in the counties of Solano, Sonoma, Contra Costa, San Joaquin and Napa which are supplying milk to San Francisco and that are yet to be inspected.

It is also estimated that there are from 500 to 750 dairies furnishing milk which goes to make up the cream supply for San Francisco and which are to be inspected as soon as the dairies supplying milk are made satisfactory. The greater part of the cream used in San Francisco is shipped from the following counties: Tulare, Merced, San Joaquin, Contra Costa, Alameda, Stanislaus, Solano, Sonoma, Mendocino and San Mateo.

At the time of the first inspection of the dairies there was not a single milk room found that was properly screened against flies and properly protected against the entrance of dust. In some cases there was no place provided that could be considered a milk room, and in a few cases no buildings at all were provided for the protection of cows, milk or utensils. Poor methods of handling the dairies and the milk were found, but even in the very bad dairies, there seemed to be a willingness to accept and follow suggestions. Recommendations were made to the owner for the correcting of any defect at his dairy that would improve sanitary conditions; also suggestions were made for better dairy methods and all diseased cattle that could be determined by inspection and physical examination were condemned and suspicious animals quarantined. Badly dis-

eased animals were frequently found at the dairies, and in fact there is scarcely a single large dairy that has been inspected that has not shown signs of the presence of tuberculosis.

Thirty to sixty days have been allowed after the first inspection within which time the dairymen were to have all recommendations complied with. At the end of this time a reinspection of the dairies has shown good progress in nearly every case, many dairies having complied with the recommendations completely. Two dairymen had made such a poor attempt at meeting the requirements and the conditions at these dairies were so bad after a third inspection had been made, that a warrant was issued in each case for the arrest of the owner for producing unwholesome milk.

The score card which has been in use up to the present time is not as thorough as it should be. A new score card has been adopted which is almost an exact copy of the one used by the United States Department of Agriculture. It is now being printed.

When the inspection of the out-of-town dairies was commenced there was strong opposition shown by the dairymen. It was a case of trying to convince a man against his will in most cases to offer suggestions and expect them to be followed until the owners were satisfied that the Board of Health was behind the movement and that the inspection of the dairies was to continue. Since commencing the reinspection, the dairy owners feel better assured of the latter fact and the progress now being made at most dairies is truly gratifying.

Thirty-eight dairies in Marin County out of forty-two inspected have the milking stables constructed so that they are not separated from the hay barn by partitions to keep the hay and dust from the place where the milking is done. This is an important defect, but it is not deemed practical at the present time to correct it.

Most of the dairy farms supplying milk to San Francisco are occupied by tenants and are leased only for short periods of time in most cases. The tenant is naturally slow in making extensive changes at his own expense. The notices and letters issued from the Health Office have been a benefit to him in using them to influence the owners of the property to furnish the material for reconstruction.

In a few cases where the tenant could not afford to make the changes and the owner of the property had refused to help him, the Chief Dairy Inspector interviewed the owner personally and informed him of the requirements of the Board of Health and that no milk permit would be granted the tenant if the changes were not made. In many cases good results have followed.

The reinspection of forty-nine dairies outside of the county have been made to date.

Inspection of Street Cars

W. E. RICE (POLICE OFFICER), INSPECTOR.

Sir:—I have the honor to submit the following as my report for the past five months in regard to the improved conditions of the street cars. After an investigation of ten days, from February 18th to March 1st, I find as follows:

The United Railways have thirteen car barns and run daily five hundred and seventy cars; Presidio and Ferries Railroad Company has one car barn and run daily twenty-four cars; California Cable Company has one car barn and run daily thirty cars; Geary, Park and Ocean Railroad Company has one car barn and run daily twenty-one cars; Parkside Railroad Company has no car barn. They keep their cars at Oak and Broderick car barn of the United Railroads and run daily two cars.

The cars of the United Railroads Company were only swept down the aisle of the car. The platform and around the controllers were never cleaned. The floors were a regular dumping place for rubbish.

The cars were supposed to be disinfected weekly by spraying about one pint of Naphtholeum, after having been reduced, to each car.

March 4, 1909, the United Railroads Company adopted Creofect (a sheep dip) recommended by the Board of Health as a disinfectant, to be used one-half gallon to sixty gallons of water.

1st. I had all corners of the car and platforms scraped and all the clogged dirt cleaned out and well swept.

2d. The cars are disinfected as follows: After the car is swept clean, the floor is soaked for about thirty minutes with the Creofect, about two and one-half gallons being used on the floor of each car. The seat and side walls up to the windows are washed with Creofect.

3d. Washing.

The car is then washed, first by scrubbing with an old broom, then either turning the water on the floor with hose or mopping. Some barns use the hose. They place heavy canvass over the motors and wires under the cars to protect them. Each car is washed and disinfected once each week.

4th. Sweeping.

The sweeping is done at night and each car is swept each night. Special attention is given to the corners, under the seats and in the grooves down the aisle.

5th. The windows of each car are cleaned both inside and outside each night.

6th. Dusting.

After sweeping each night the cars are dusted, special attention being given to the window sills and seats.

7th. Ceilings, etc.

May 15th I took up the matter of washing the ceilings and transoms with the several division superintendents and at this time about eighty per cent. of the cars have the ceilings, transoms and the entire interior of the car washed. They are working on the remaining twenty per cent. at present. The cars are also washed on the outside weekly.

There has been constructed new wash rack at four of the different barns. New hose, water brushes and other equipment for washing have been furnished at each barn.

I have had orders issued at each barn that the men, belonging to the car-cleaning crew, shall not be used for any other work, as was the custom heretofore.

At all car barns the crew have been placed under a foreman and that man is held responsible for the work.

There has been a paint shop built at Geneva and San Jose Avenues with a capacity for twelve cars.

There have been about forty cars overhauled and painted and now are in use on the several lines of the company.

The throwing of rubbish on the floors has caused the issuing of orders to conductors that they must stop it themselves and prevent, as much as possible, passengers throwing rubbish on the floor.

There has also an order been issued to the crews about expectorating on the cars. It is now the duty of a conductor to call the attention of passengers to the throwing of rubbish and expectorating on the floors of cars, and if they do not then stop, the conductor is to put the passengers off or cause their arrest.

There have been three cases where motormen have been suspended from three to five days for expectorating on the cars.

Orders have been issued at the car barns that the mechanics shall not sit or lie on the car seats with their dirty clothes. There have been two dismissals for this offense.

The Geary, Park and Ocean Railroad Company, Presidio and Ferries Railroad Company and the California Cable Company are now cleaning their cars on the same lines as the United Railroads Company, except the crew of each car sweep their car each morning before leaving the barn. The washing and disinfecting being done by regular crews established since March 1, 1909.

Medical Inspection of Schools

C. R. BRICCA, M. D., MEDICAL INSPECTOR.

I have the honor to submit herewith the annual report of the Department of Medical Inspection of Schools. This Department is concerned with nineteen of our primary and grammar public schools situated in the congested districts and enrolling 10,300 pupils.

The amount of work performed and the results obtained have been excellent, taking in consideration that these schools are by no means close together and that unfortunately we have had several changes of nurses, which naturally handicapped our work and results.

The Board of Education has at all times co-operated with this Department, and by so doing has been a great help. Without this co-operation, school medical inspection would be useless. The efficient and praiseworthy work of the nurses should not be passed over in silence, especially the work of those nurses who have worked since the beginning of school medical inspection.

Medical inspection of schools without the school nurse would be a farce. The combination of medical school inspection, examination and treatment, and school nurse co-operation is undoubtedly one of the greatest advancements that modern times has invented for the physical improvement of school children. We need good permanent nurses, as the frequent changing is detrimental, as we lose the co-operation of the willing principals and teachers.

The number of children excluded from school on account of infectious diseases is 859 or 8.34% of the enrollment. These cases were found either in the schools or in the homes, for the most in the latter. Every unaccounted for absentee of two or more days is visited at the home by the nurse, and in this way a great number of infectious cases were found. This number does not include the number of contacts, as unfortunately this record was not kept until of late. These cases and their contacts were not and most probably would not have been reported to the Board of Health. This certainly is a positive menace to community health. It is evident that the exclusion of these cases and contacts meant an increased school attendance. Trachoma has practically disappeared, as not one case has been found in months, while the original twenty cases have been cured.

Of the 2,660 unvaccinated children, only 85 have not been re-vaccinated. Of the 2,575 re-vaccinations, 15 immune certificates were issued and the remaining 2,560 have been successful, with but few exceptions. The reason why vaccination is often unsuccessful lies in the fact that the virus is not active, having been kept at an unsuitable temperature either in the drug store or in the practitioner's office.

The nurses have treated 2,441 cases in the schools. The number of times each case was treated has not been recorded heretofore, consequently does not appear in this report. These cases were simple contagious skin conditions, abrasions, and do not include the vaccinations, which vaccinations were performed by the Medical Inspector.

182 or 26.3% of the cases of Hypertrophied Tonsils and Adenoids found have been operated upon by the family surgeon, while 162 others were medically treated. Of 383 cases of defective vision, 80 or 20.9% have received ocular attention. In all 2,843 or 27.04% of the total enrollment have been treated.

27 cases have been reported to the Society of the Prevention of Cruelty to Children and to the Associated Charities.

1,650 school visits, or 165 monthly visits, have been made.

2,478 home visits, or 225 monthly visits, have been made.

Total, 390 monthly visits have been made.

The record of the physical examinations is by no means complete, but most superficial, as our time was for the most part taken up with infectious diseases, vaccinations, vermin, contagious skin diseases and only the most evident cases of physical defects came under our observations. Two months before the close of the school term, the Medical Inspector began a systematic physical examination of the school children taking a class at a time. Ninety-nine pupils were thus examined and 38.39% had defective vision; 50% enlarged tonsils and adenoids; 30% enlarged cervical glands; over 50% defective teeth. This proves conclusively the absolute necessity of physical examination.

I herewith submit my annual school inspection report for the fiscal year ending June 30th, 1909, representing nineteen schools enrolling a total of 10,300 pupils:

CHILDREN EXCLUDED FOR INFECTIOUS DISEASES.

Chicken Pox.....	56
Contagious Skin Diseases.....	49
Diphtheria	24
Measles	398
Mumps	130
Scarlet Fever	32
Smallpox	21
Tonsillitis, Acute.....	64
Trachoma	20
Tuberculosis, Pul.	2
Whooping Cough.....	46
Acute Conjunctivitis (Pink Eye).....	17
Chorea	9
Total	868

VACCINATIONS.

Children found to be unsuccessfully vaccinated.....	2,660
Vaccinated during week.....	2,575
Remaining to be vaccinated.....	85

TREATMENTS ADMINISTERED, ETC.

Treated by Nurses in School.....	2,441
Treated by Nurses in Homes.....	31
Treated by Operation, 26.3% or.....	182
Treated without Operation.....	162
Total number treated.....	2,743
Reported to Societies.....	27
Readmitted	767
Visits to Schools.....	1,650
Visits to Homes.....	2,478
Total Visits.....	4,128

PHYSICAL EXAMINATIONS.

Condition—	
Enlarged Glands.....	113
Poorly Nourished.....	118
Total	231
Ear—	
Cerumen	5
Defective Hearing.....	17
Discharging Ears.....	25
Total	47
Eye—	
Chr. Inflammation of Lids.....	165
Chr. Inflammation of Conjunctiva.....	62
Defective Vision.....	295
Strabismus	88
Total	610
Lungs—	
Tuberculosis	2
Nervous System—	
Chorea	9
Defective Mentality.....	35
Epilepsy	5
Total	49
Mouth, Nose and Throat—	
Adenoids and Hypertrophied Tonsils.....	463
Defective Teeth, over 50%.....	
Defective Palate.....	2
Hypertrophied Tonsils.....	237
Mouth Breathers.....	48
Ozeno	1
Total	741
Osseous Structure—	
Deformity of Spine.....	8
Deformity of Extremities.....	4
Hip Disease.....	9
Total	21
Skin—	
Eczema	12
Furunculosis	2
Impetigo	1,720
Pediculosis	1,643
Ringworm	770
Scabies	51
Total	4,208

ANNUAL REPORT, DIVISION OF SANITARY INSPECTION.

	Totals	1908						1909					
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June
Complaints unabated at last report	51			2	4	6	11	1	4	10	5	3	5
Complaints filed during month.....	246		12	22	37	34	18	25	19	12	16	25	26
Total.....	297		12	24	41	40	29	26	23	22	21	28	31
Complaints abated.....	174		10	17	31	17	24	12	14	13	11	15	10
No cause.....	28				2	8	1	8	2	4	2	2	2
Referred to other departments.....	29			2	2	4	3	2	1	5	5	6	4
Unabated.....	63		2	5	6	11	1	4	6	5	3	5	15
Total.....	297		12	21	41	40	29	26	23	22	21	28	31
Number of first inspections.....	272		37	22	37	32	20	26	21	13	12	25	27
Number of re-inspections.....	4199	442	205	369	341	351	429	345	260	314	416	391	333
Special inspections.....	3734	339	422	360	316	293	261	318	176	296	303	305	375
Total number of inspections.....	8205	781	664	751	694	676	716	689	457	593	731	724	735

INFECTIOUS DISEASES

INFECTIOUS DISEASES, QUARANTINED AND INVESTIGATED.

	Totals	1908						1909					
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June
Diphtheria.....	589	35	30	36	36	56	51	53	54	65	69	66	38
Scarlet fever.....	499	6	11	18	36	66	61	47	25	66	51	50	42
Smallpox.....	134	12	16	12	34	16	19	4	8	3	1	7	2
Tuberculosis.....	1355	74	91	88	131	94	103	121	112	186	157	110	88
Cerebro spinal meningitis.....	49	1	3	5	7	4	3	2	4	5	2	10	3
Measles.....	2115	37	32	31	69	213	241	272	348	308	204	192	108
Erythroid fever.....	266	21	24	22	40	30	35	13	6	21	11	15	28
Pertussis.....	328	5	17	7	37	19	6	37	20	37	50	70	23
Parotitis.....	472	2	4	5	13	31	45	42	75	111	60	59	25
Varicella.....	434	10	13	7	22	63	60	70	61	28	42	29	29
Pneumonia.....	320	23	10	13	12	18	29	22	23	51	42	40	37
Erysipelas.....	43	1	1	5	3	3	5	7	4	5	2	4	3
Trachoma.....	8		2	5		1							
Glanders.....	47		7	8	8	1	3	4	1	5		1	7
Rotheln.....	2					1	3			1			
Total.....	6661	227	261	262	468	618	661	694	741	952	691	653	433

INFECTIOUS DISEASES

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ANNUAL REPORT, INFECTIOUS DISEASES.

	Totals	1908												1909				
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June					
Cerebro spinal meningitis.....	49	1	3	5	7	4	3	2	4	5	2	10	3					
Diphtheria.....	589	35	30	36	36	56	51	53	51	65	69	66	38					
Erysipelas.....	46	1	1	5	3	3	5	7	6	5	2	4	7					
Glanders.....	55	7	7	8	8	3	3	4	1	5	2	2	7					
Measles.....	2115	37	32	31	69	213	211	272	318	308	201	192	108					
Parotitis.....	472	2	4	5	13	31	45	42	75	111	60	59	25					
Pertussis.....	328	5	17	7	37	19	6	37	20	37	50	70	23					
Pneumonia.....	320	23	10	13	12	18	29	22	23	51	42	40	37					
Scarlet fever.....	499	6	11	18	56	66	61	47	25	66	51	50	42					
Smallpox.....	144	12	16	22	34	16	19	4	8	3	1	7	2					
Tuberculosis.....	1355	74	91	88	131	91	103	121	112	186	157	110	88					
Typhoid fever.....	267	21	24	22	40	30	35	13	6	21	11	15	29					
Varicella.....	434	10	13	7	22	63	60	70	61	28	42	2	1					
Rotheln.....	6	1	2	5	1	1				1		1						
Trachoma.....	10																	
Beri Beri.....	1																	
Totals.....	6690	235	261	272	489	619	661	691	713	952	691	657	436					

SANITARY DISINFECTION

ANNUAL REPORT, DIVISION OF SANITARY DISINFECTION.

	Totals	1908						1909					
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June
Cerebro Spinal Meningitis	40	1	2	2	6	2	3	1	2	6	2	5	2
Diphtheria	510	37	29	30	29	46	56	41	52	42	57	42	46
Glanders	46	7	7	1	12	1	5	3	5	5			8
Scarlet fever	430	10	7	14	28	26	77	65	35	32	42	47	47
Smallpox	139	11	14	14	34	22	14	6	8	6	2	7	1
Tuberculosis	725	35	35	46	55	59	72	68	68	92	78	69	48
Typhoid fever	2												1
Miscellaneous	37	3	1	3	3	3		8	2	10	1	1	1
Total	1923	104	91	110	167	159	227	195	168	183	182	174	153
Number of rooms fumigated.....	3677	268	213	264	349	303	418	357	289	327	319	294	276
Number cubic feet disinfected.....	4,877,921	322,000	244,200	327,250	539,700	409,100	535,890	489,520	367,750	436,150	409,505	419,396	377,260
Petrie Dishes placed.....	433				43	41		30	44	74	72	65	61
Sulphur (lbs.)	6172	521	298	303	1753	487	640	330	549	424	375	313	181
Formalin (oz.)	55821	2682	2661	3530	4065	4850	6382	5942	4182	5650	5616	4800	5460
Crude carbolic acid (oz.).....	2928	882	128	48	672		224	192	64	128			640

PLUMBING INSPECTION

25

ANNUAL REPORT DIVISION PLUMBING INSPECTION.

	Totals	1908						1909					
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June
Inspection.													
Construction.													
In Construction	10443	653	683	761	960	816	903	650	660	1162	1147	1027	1011
On Completion	5182	329	342	327	418	344	518	452	429	515	489	523	496
On Work Granted by Permit	1800	73	61	103	154	126	200	177	152	162	143	295	214
Total	17425	1055	1096	1191	1532	1286	1621	1279	1241	1839	1779	1785	1721
Sewers.													
Inspected	9819	653	596	671	960	816	903	650	661	1142	997	879	891
Cast Iron (feet)	73230	46900	53200	53820	65300	54720	67920	51080	50480	80260	79260	63460	66740
Iron Stone (feet)	322945	28230	22150	24400	28360	30720	31035	24820	25280	20080	30980	24250	32690
Curb Traps	5833	323	376	324	507	434	629	468	443	585	606	553	585
Nuisances.													
Inspections													
First Inspection	1667	212	166	198	171	102	162	144	104	142	108	69	89
Reinspection	1800	137	220	180	214	153	160	97	107	118	103	132	170
Total	3467	349	385	378	385	255	322	241	211	260	211	201	259
Results Obtained.													
Unabated at Last Report	1091	129	255	129	115	48	37	55	68	83	80	59	33
Deceived During Month	1696	297	132	167	144	108	159	144	108	134	142	72	89
Total	2787	426	387	296	259	156	196	199	176	217	222	131	122
Abated													
Referred to other Departments	1376	134	218	112	179	107	93	97	66	107	110	84	69
No Cause	186	21	22	10	22	4	9	9	5	21	45	11	7
Remaining Unabated	1001	255	129	115	48	37	56	68	83	80	59	33	38
Notices.													
First Notices	1590	230	145	129	179	111	134	125	109	139	118	75	96
Last Notices	804	35	82	37	122	85	91	69	50	62	70	52	49
Total	2394	265	227	166	301	196	225	194	159	201	188	127	145

PLUMBING INSPECTION

NEW FIXTURES INSTALLED IN OLD BUILDINGS.

	Totals	1908						1909					
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
Water Closets	1082	90	75	71	110	62	115	57	82	81	110	83	92
Basins	506	32	30	34	56	23	41	25	47	56	50	91	81
Bath Tubs	480	39	30	24	43	33	38	30	44	45	56	49	44
Sinks	714	70	51	55	62	35	77	35	60	74	98	64	54
Wash Trays	363	27	26	18	35	32	37	10	38	23	45	31	41
Urinals	81	4	1	2	1	1	12	8	3	11	22	4	6
Slop Hoppers	288	30	24	17	32	13	31	16	26	23	20	31	23
Grease Traps	10	11	5	2	1	1	1	1	4	11	1	7	5
Cesspools	65	3	12	11	25	7	9	5	7	13	4	4	8
Sewers	122												

Number of plans submitted, 2,394. Number of buildings represented, 2,788.
Permits granted for repair work, 822.

ANNUAL REPORT, DIVISION OF FOOD INSPECTION.
INSPECTIONS MADE.

	Total	1908						1909					
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June
Bakeries.....	120						7		2		26	41	41
Butchershops.....	50	40	8	395	461	22	277	145	86	282	46	246	628
Candy Factories and Store.....	3318	656	94	148	252	113	248	84	2	77	31	85	2
Commission Houses.....	9						1	23		10	1	1	1
Delicatessen Stores.....	1113	27	16	4	4		2	3	3	15	13	1	1
Fruit Stores.....	50	1	9	12	57	103	121	55	5		6		5
Fish Markets.....	27				3	2							
Grocery Stores.....	379												
Hotels and Restaurants.....	2	3	17										4
Milk Depots.....	2		2			1		1	1	20	9	11	
Peddler Wagons.....	2	52	2			6							
Pickel Works.....	54	1	1										
Wharves.....	138	22	40										
Miscellaneous.....													
Grand Total	5274	801	187	559	779	247	676	311	99	384	135	384	712

FOOD INSPECTION

ANNUAL REPORT DIVISION OF FOOD INSPECTION.—Continued.

CONDEMNATIONS AND SEIZURES.

[illegible]

MILK INSPECTION

ANNUAL REPORT, DIVISION OF MILK INSPECTION.

	Total	1908						1909					
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
		Samples Taken From											
Milk Wagons.....	1214	145	101	76	80	154	127	90	93	79	113	80	76
Depots and Dairies.....	207	16	11	7	10	32		23	13	11		17	67
R. R. Depots and Wharves.....	1192		115	136	162	85		248	17	81	88	163	114
Groceries.....	89					18		14	10	16	17	4	3
Delicatessen Stores.....	40				15	5		4	10	1	3		2
Hotels and Restaurants.....	410		14	26	10	21	2	24	141	54	74	36	8
Bakeries.....	45			13		5		6	4	2	9	3	3
Miscellaneous.....	4	1			1			2					
Total.....	3201	162	241	258	278	320	129	411	278	244	304	303	273
Arrests													
Pending at Last Report.....	116	4	9	7	11	12	19	8	11	14	7	8	6
Arrested During Month.....	271	9	4	17	9	21	14	13	56	30	53	16	29
Total.....	387	13	13	24	20	33	33	21	67	44	60	24	35
Convicted.....	206	3	5	11	7	10	19	10	40	31	39	14	17
Fines Imposed.....	\$1660	\$100	\$50	\$275	\$225	\$250	\$495	\$230	\$775	\$625	\$900	\$200	\$235
Dismissed.....	66	1	1	2	1	4	6		13	6	13	4	15
Pending.....	181	9	7	11	12	19	8	11	14	7	8	6	3

MARKET INSPECTION

ANNUAL REPORT—DIVISION MARKET INSPECTION
INSPECTIONS

	Total	1908						1909					
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
Abattoirs	10,162	924	929	803	964	889	910	799	798	958	807	371	850
Markets	10,216	843	832	844	1,054	875	1,037	912	837	1,019	855	542	561
Wharves	4,910	280	312	346	533	444	467	470	328	385	525	378	442
Railroad Depots	1,148	90	83	67	110	91	71	115	86	131	114	89	92
Commission Houses	2,315	346	262	168	131	115	131	82	48	86	376	310	290
Chinatown	5,619	390	380	480	565	372	497	463	477	622	574	315	475
Total	34,370	2,882	2,807	2,798	3,357	2,786	3,113	2,841	2,574	3,181	3,341	2,005	2,683
Fish (lbs.)	3,614,550	200,000	545,000	445,000	877,000	548,000	205,000	60,000	68,000	94,000	264,000	85,000	223,550
Beefes	157,725	12,695	13,899	15,910	14,028	13,051	12,700	11,487	11,755	13,770	13,702	14,501	10,127
Calves	78,621	5,432	5,565	6,408	7,373	6,905	6,014	6,460	5,705	7,981	8,500	6,719	5,289
Hogs	257,834	17,773	19,588	22,564	29,106	26,773	24,735	22,015	17,409	23,555	20,838	23,260	14,328
Sheep	301,431	19,665	23,727	25,533	25,904	22,484	23,604	27,104	26,254	27,876	22,665	28,538	18,537
Lambs	386,840	27,695	29,530	34,925	43,966	36,663	30,919	23,392	25,214	22,608	27,569	30,515	33,494
Poultry	2,902,942	232,255	163,283	243,625	274,550	505,770	577,650	160,690	124,892	115,883	133,553	110,470	236,135

CONDEMNATIONS AND SEIZURES

	Total	1908						1909					
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
Fish (lbs.)	141,525	4,850	27,765	24,200	6,800	3,100	1,800	1,100	6,500	11,900	15,600	18,300	19,550
Beef (lbs.)	153,931	15,400	14,550	12,350	17,550	13,150	17,475	13,300	11,850	6,700	10,580	11,636	9,390
Calves	2,597	213	298	197	191	189	217	304	304	346	181	189	118
Sheep	1,653	51	61	54	112	102	90	153	135	165	49	41	40
Lambs	644	86	59	43	37	51	55	93	47	75	53	25	19
Hogs	429	66	37	29	39	20	31	28	31	49	38	27	43
Chickens	11,271	546	579	1,807	1,374	1,325	1,604	739	709	514	738	581	635
Turkeys	488	4	135	15	14	15	44	12	10	8	8	8	18
Other Poultry	290	4	135	15	14	15	44	12	10	8	8	8	18
Hog Heads	60	23						3	11	11			

ANNUAL REPORT DIVISION OF MARKET INSPECTION.

CATTLE SLAUGHTERED FOR HUMAN CONSUMPTION.

Month	Source of Supply	Totals	Beeves	Calves	Sheep	Lambs	Hogs
July.....	{ Butchertown.....		7,446	2,737	13,805	22,180	8,838
	{ Outside.....		3,544	2,011	3,940	5,674	1,683
	{ Total.....		10,990	4,748	17,745	27,854	10,541
August.....	{ Butchertown.....		7,444	3,059	14,071	21,135	9,691
	{ Outside.....		4,367	2,339	3,899	5,742	2,600
	{ Total.....		11,811	5,398	17,970	26,877	12,291
September.....	{ Butchertown.....		7,819	2,372	16,930	12,522	10,985
	{ Outside.....		4,644	3,181	5,389	6,324	3,148
	{ Total.....		12,463	5,553	22,319	18,846	14,133
October.....	{ Butchertown.....		8,343	2,624	15,162	23,886	11,118
	{ Outside.....		4,540	5,308	4,589	6,377	2,993
	{ Total.....		12,883	7,932	19,751	30,263	14,111
November.....	{ Butchertown.....		9,920	3,189	18,664	21,415	13,240
	{ Outside.....		4,563	3,588	4,090	4,463	2,771
	{ Total.....		14,483	6,677	22,754	25,878	16,011
December.....	{ Butchertown.....		8,220	2,615	15,247	17,678	12,120
	{ Outside.....		3,224	3,405	4,957	4,049	3,040
	{ Total.....		11,444	6,020	20,204	21,727	15,160
January.....	{ Butchertown.....		8,155	3,080	19,737	16,165	9,184
	{ Outside.....		3,559	3,468	3,487	3,483	3,367
	{ Total.....		11,714	6,548	23,224	19,648	12,551
February.....	{ Butchertown.....		7,900	2,000	17,514	13,553	7,280
	{ Outside.....		4,585	3,938	6,702	7,070	4,230
	{ Total.....		12,485	5,938	24,216	20,623	11,510
March.....	{ Butchertown.....		8,105	2,400	17,568	12,554	10,705
	{ Outside.....		5,133	5,733	6,581	6,066	5,251
	{ Total.....		13,238	8,133	24,149	17,620	15,956
April.....	{ Butchertown.....		7,870	2,870	15,800	16,607	11,350
	{ Outside.....		5,508	4,451	8,073	7,497	5,906
	{ Total.....		13,378	7,321	23,873	25,104	17,256
May.....	{ Butchertown.....		8,298	2,973	16,435	19,906	10,550
	{ Outside.....		7,612	3,369	9,672	12,045	1,201
	{ Total.....		15,910	6,342	26,107	31,951	11,751
June.....	{ Butchertown.....		7,846	3,262	14,983	19,195	10,490
	{ Outside.....		7,742	2,119	9,005	11,687	16,189
	{ Total.....		15,588	5,381	23,988	30,882	26,679
Totals.....	{ Butchertown.....	714,432	142,968	33,181	195,916	216,796	125,571
	{ Outside.....	304,151	59,021	42,910	70,384	79,477	52,359
	{ Total.....	1,018,583	201,989	76,091	266,300	296,273	177,930

ANNUAL REPORT PERMITS ISSUED.

	Totals	1908							1909				
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June
Approval of Stable Locations.....	170	22	19	6	9	11	17	14	17	11	17	19	8
Bath House.....	8				1		2		7	1	2	1	2
Cigar Factory.....	21		2	3	1		2	6	35	21	10	3	6
Homes for Children.....	75	5		4	1	1	2	4	2	2	1	2	3
Laundry Wagons.....	21	1	7	2	2	2	1	4	1	1	8	4	1
Manure Wagons.....	398	265	17	49	10	5	1	4	4	3	1	1	1
Master Plumbers' Licenses.....	5												
Maternity Hospitals.....	127	8	1	1	11	13	2	12	12	5	18	24	18
Milk.....	176	1	1		1			59	106	6	6	1	1
Scavenger Wagons.....	2085	12	40	29	90	151	221	333	327	329	279	200	61
School Attendance.....	29		1					11	7	4	1	1	1
Swill Wagons.....	9	2		2	2	1			2				
Vegetable and Manure Wagons.....													
Totals	3159	316	121	95	128	184	251	458	521	387	337	259	102

INSANITARY PREMISES

ANNUAL REPORT BOARD ACTIONS ON INSANITARY PREMISES.

MONTH.	CHARACTER OF PREMISES.	Results obtained on all condemnations.										Injunctions	Unabated	In process of abatement	2	3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
		Abated				TOTAL.	Re-con- demned by taking up under new Ordinance..	By demo- lition	By repair ..	TOTAL.	Cases post- poned						Condemned dur- ing the month	Unabated at last report																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
		TOTAL.															17	21	12	4	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

March.....	{ Dwelling..... { Stable..... { Miscellaneous.....	11 20 6	3 6 2	14 26 8	39 109 20	10 11 4	1 9 2	50 129 26	3 16 4	6 1 1	1	3 23 5	22 77 10	25 29 11	1
April.....	{ Dwelling..... { Stable..... { Miscellaneous.....	10 16 8	3 3 5	10 19 13	47 106 21	11 13 8	1 7 2	59 126 31	7 2 6	3 1 1	1	11 3 7	30 22 29	23 17 28	1
May.....	{ Dwelling..... { Stable..... { Miscellaneous.....	10 6 6	7 1 7	10 13 7	53 39 48	7 10 6	5 1 3	65 50 57	1 11 1	3 6 3	4	7 20 7	29 20 22	29 10 28	4
June.....	{ Dwelling..... { Stable..... { Miscellaneous.....	17 9 11	3 1 1	20 10 11	58 30 50	14 10 5	10 3 4	82 43 59	7 11 8	1 6 4	4	8 17 12	31 12 12	43 14 35	4
Total.....	{ Dwelling..... { Stable..... { Miscellaneous.....	143 236 94	19 47 26	162 283 119	126 292 68	126 292 68	35 72 37	203 571 167	87 153 82	35 56 28	7 14 10	129 225 120	31 12 12	43 14 35	23

ARRESTS.

Pending	8
Dismissed.....	55
Fines Imposed.....	\$165
Convicted.....	12
Total.....	75
Arrested During Year	75
Pending at last re- port	

ARRESTS

ANNUAL REPORT, ARRESTS.

MONTH	RESULTS OBTAINED ON EACH MONTH'S ARRESTS	LOCAL ORDINANCES.										STATE LAWS.																							
		13 416	369	615 1504	655	821	822	1029	1034 3042	1036	229 1273 2944 660	Milk	Regulating use water wells	Infectious diseases.....	Regulating use manure wagons	Rendering works.....	Regulating Maintenance Slaughter houses.....	Meat	615 1504	369	615 1504	655	821	822	1029	1034 3042	1036	229 1273 2944 660	Milk	Milk	Maintaining a nuisance.....	Meat.....	383 Penal Code	624 Penal Code	Tampering with plumbing
1908	JULY	9 605 9*		3				10	1		1 25 2							1 20 1										6 550 1					372-373 Penal Code	383 Penal Code	624 Penal Code
	AUGUST	18* 7 95 5		3		1		1	1		3	7 75	2	1														4 20 2							
	SEPTEMBER	12 13 350 7				1					1 25	4 12 325																1 25							
	OCTOBER	20 7 210 9	1								1 1 50	15 6 160	3 3 1															1 1 1							
	NOVEMBER	16 17 365 5									1 1	8 17 365	1															2 2							
		22																										2							

Chemical Laboratory

San Francisco, July 15, 1909.

Health Officer, Through Chief Sanitary Inspector.

Sir:—I submit herewith a report of the work of the Chemical Laboratory for the year ending June 30, 1909.

During the first half of the year work was somewhat hampered owing to lack of proper facilities, the Laboratory being located in temporary quarters, which were very crudely furnished and poorly arranged.

In the latter part of November, 1908, the present quarters were occupied. They are not only much more roomy than our temporary quarters were, but are better equipped and arranged by far than was the Laboratory before the fire. There are still some things needed to bring the equipment up to the standard required in a Laboratory of this kind. The outlay for this equipment will be comparatively small.

The following table shows the number and character of the examinations made during the year. In addition to the analytical work, a considerable attendance in Court by the Chief Chemist was necessary to testify in prosecutions of violators of the milk and meat laws. Three hundred and six cases were tried in all, resulting in \$4,920 in fines:

TABLE SHOWING THE NUMBER AND CHARACTER OF ANALYSES MADE.

Milk	3,412 samples
Meat	150 samples
Ice Cream and Water Ice.....	34 samples
Fruit Syrups and Flavors.....	22 samples
Soft Drinks.....	79 samples
Preservatives and Disinfectants.....	10 samples
Miscellaneous	22 samples
Water	308 samples
Total	4,037 samples

MILK.

Thirty-four hundred and twelve samples of milk were analyzed, of which 18.5% were found to be below standard in some particular. Nine and one-tenth per cent. of all samples analyzed were sufficiently below standard to warrant arrest.

It may be stated here that the standard required for milk fat and solids not fat for nine months of the year, July to March inclusive, was 3% and 8.5% respectively.

After April 1, 1909, the standard required was 3.4% milk fat and 8.5% solids not fat.

The methods employed in the analysis of milk samples are those recommended by the Association of Official Agricultural Chemists. Milk fats are determined by the Babcock centrifugal process. Addition of water is detected by measuring the refractive index of the milk serum by means of the Zeiss Immersion Refractometer. Confirmation is had by determining the solids not fat. Experience has shown that in average milk 10% of added water may be detected with certainty.

Total solids are determined gravimetrically on all samples having a refractometer reading of less than 40 or a fat content below the requirements of the law. All samples are tested for preservatives and artificial colors. Two samples were found containing artificial color, one containing boric acid; none was found containing formaldehyde.

Samples for analysis must be taken in duplicate, sealed and plainly marked for identification to lay the proper foundation for prosecution in case of being found below standard. Samples submitted by individuals not milk dealers are accepted if in fit condition for analysis. Prosecutions are instituted only on such deficient samples as are submitted by officials of the Health Department.

In table No. 1 following, the results of the milk analyses have been tabulated by months. It will be noticed that in the months of April, May and June the percentage of samples below standard is considerably higher than that of the months preceding. It must be remembered that the standard for milk fat for these three months was 0.4% higher than for the preceding months.

By comparing the percentage of samples below standard and the percentage of samples low enough for arrest, it will be noticed that about half of those below standard are low enough for arrest, showing that about 50 per cent. of the deficient samples are only slightly below standard.

While the time-honored method for the adulteration of milk has been the addition of water, these results show that fourteen per cent. of all samples were found deficient in milk fat, while only 4.3% were found to contain added water, though nearly 50% of the arrests were made on account of watered milk.

The latter part of table No. 1 gives the monthly Court record of milk cases. The Court record for any month does not correspond to the analytical work of that month. Arrests ordered upon any particular piece of analytical work are not disposed of for from two weeks to one month after the report of the work is filed. Two hundred and seventy cases were tried, resulting in 207 convictions and 63 dismissals. The total fines were \$4,630, average fine \$22.37. The great majority of the dismissals were for first offenses.

Table No. 2 following, shows the results of the milk analyses tabulated according to the source of samples.

Samples were taken from all places where milk was offered for sale. A little more than 13% of the samples taken from distributors, i. e., milk wagons and milk depots, were found to be below standard, while only a little more than 7% of the samples taken from producers were below standard.

The worst milk was obtained from restaurants, stores and bakeries. About 12.5% of all samples were taken from these places, while 23% of the samples found to be below standard were obtained from them. Therefore the blame for adulterated milk as shown by this year's work rests least upon the producer, next upon the distributor and most by far upon those selling milk from restaurants, stores and bakeries.

During the year 1907-08 when practically all samples were taken from producers and distributors, the percentage of all samples below standard was 21.30. The percentage of all samples below standard for the year 1908-09 from the same sources averages about eleven per cent., which shows a considerable improvement in the quality of the milk supplied.

TABLE NO 1
RESULTS OF MILK ANALYSES AND COURT WORK TABULATED BY MONTHS. YEAR 1908-09.

	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Totals
Number of samples analyzed.....	158	48	271	288	326	141	518	286	254	315	317	290	3412
Number of samples below standard.....	17	26	39	27	38	6	39	77	42	97	102	122	632
Percentage of samples below standard.....	10.8	10.5	14.4	9.4	11.7	4.3	7.5	26.9	16.5	30.8	32.2	42.1	18.5
Number of samples low in milk fat.....	10	16	23	13	19	3	17	53	25	92	95	111	477
Percentage of samples low in milk fat.....	6.3	6.4	8.5	4.5	5.8	2.1	3.3	18.5	9.8	29.2	30	38.3	14
Number of samples low in solids not fat.....	13	14	30	20	23	6	26	59	25	33	20	46	315
Percentage of samples low in solids not fat.....	8.2	5.6	11.1	6.9	7	4.3	5	20.6	9.8	10.5	6.3	15.9	9.2
Number of samples containing added water.....	7	9	17	15	9	2	14	36	6	16	7	10	148
Percentage of samples containing added water.....	4.4	3.6	6.3	5.2	2.8	1.4	2.7	12.6	2.4	5.1	2.2	3.4	4.3
Number of samples sufficiently below standard to warrant arrest.....	9	16	20	17	22	2	24	57	23	48	38	36	312
Percentage of samples sufficiently below standard to warrant arrest.....	5.7	6.4	7.4	5.9	6.7	1.4	4.6	19.9	9	15.2	12	12.4	9.1
Number of cases in Court.....	12	12	22	27	30	30	21	67	43	55	26	37	376
Convictions.....	3	5	11	7	10	19	10	40	31	39	15	17	207
Dismissals.....	1	1	2	1	5	6	6	0	12	4	5	14	63
Cases carried over.....	8	6	9	13	15	5	11	15	8	4	6	6	106
Total fines.....	\$100	350	275	225	225	470	230	775	625	900	220	225	4620
Average fine.....	\$ 33.33	70	25	32.15	22.50	26.11	23	19.37	20.16	23.07	14.67	13.82	22.37

*One jail sentence.
 †376 less 106 carried over, which are counted twice—270 cases tried.
 Standard from July 1, 1908, to April 1, 1909, 3.0% milk fat; 8.5% solids not fat.
 After April 1, 3.4% milk fat; 8.5% solids not fat.

TABLE NO 2
RESULTS OF MILK ANALYSES TABULATED ACCORDING TO THE SOURCE OF SAMPLES.

	Samples from milk wagons	Samples from milk depots	Samples from ship- pers	Samples from restau- rants	Samples from stores.	Samples from baker- ies	Samples from dairies	Samples submitted by public institu- tions	Samples submitted by private individ- uals	Totals
Number of samples analyzed.....	1312	101	1225	432	120	32	57	77	56	3412
Percentage of samples below standard.....	179	14	51	217	37	22	38	21	10	632
Number of samples low in milk fat.....	136	13.9	7.4	50.2	30.8	68.8	66.7	31.2	17.8	18.5
Percentage of samples low in milk fat.....	120	12	72	178	27	19	32	3	8	477
Number of samples low in solids not fat.....	9.1	11.9	5.9	41.2	22.5	59.1	56.1	11.7	14.3	14
Percentage of samples low in solids not fat.....	101	4	30	120	21	6	19	12	12	315
Number of samples containing added water.....	7.7	4	2.5	17.8	17.5	18.7	33.3	15.6	35.7	9.2
Percentage of samples containing added water.....	41	2	9	76	8	4	.....	5	0	148
Number of samples sufficiently below standard to warrant arrest.....	3.3	3	0.7	17.6	6.7	12.5	.....	6.5	0	4.3
Percentage of samples sufficiently below standard to warrant arrest.....	68	3	33	162	24	18	.....	4	0	312
Percentage of samples sufficiently below standard to warrant arrest.....	5.2	3	2.7	37.5	20	56.3	.....	5.2	0	9.1

Standard from July 1, 1908, to April 1, 1909, 3.0% milk fat; 8.5% solids not fat. After April 1, 3.4% milk fat; 8.5% solids not fat

MEAT.

A City Ordinance having been passed prohibiting the use of dyes, chemicals or preservatives in meats and meat food products, in February, 1909, regular examination of samples was begun.

Samples were first taken from the 36 sausage factories in the City and County. It was found that the use of boric acid and coal tar dyes was quite prevalent in the class of sausages known as bologna and frankfurters. Within two months from the time of the beginning of the work this form of adulteration almost disappeared. The prevention of the use of sulphites in pork sausages and hamburg steak has been a great deal more difficult.

In all 150 samples of chopped meats and sausages, representing 94 dealers, have been analyzed. Fifty-two samples, representing 39 dealers, were found to contain coal tar dyes or chemical preservatives. Coal tar dyes were found in 9 samples, boric acid in 11 samples, sulphites in 38 samples, and benzoic acid in 1 sample.

Thirty-nine arrests were made, resulting in 21 convictions, 15 dismissals, and 3 cases pending. The total fines imposed were \$290, average fine \$13.81.

ICE CREAM AND WATER ICE.

The United States and State standards for ice cream are as follows:

1. Ice cream is a frozen product made from cream and sugar with or without a natural flavor and contains not less than 14% of milk fat.

2. Fruit ice cream is a frozen product made from cream, sugar and sound, clean, mature fruits and contains not less than 12% of milk fat.

3. Nut ice cream is a frozen product made from cream, sugar and sound, non-rancid nuts and contains not less than 12% of milk fat.

Thirty-two samples of ice cream and two samples of water ice were analyzed; five samples were found to conform to the standard given above; nineteen samples were found to contain gelatine, and six samples were found to contain starch as thickening agents; three samples were found to contain coal tar coloring matter; eight samples were found to contain less than the required amount of milk fat, and one sample was found to be preserved with boric acid. All samples were tested for artificial sweetening and foreign fats. None was found. The two samples of water ice were genuine.

FRUIT SYRUPS AND FLAVORING EXTRACTS.

Twenty-two samples of fruit syrups and flavoring extracts, such as are used in ice cream sodas and soda waters, were analyzed. Two samples were found to be genuine; fifteen samples were found to be colored with coal tar color; two samples were found to be colored with caramel, and three samples not artificially colored were found to contain none of the ingredients after which they were named.

SOFT DRINKS.

The soft drinks analyzed consisted of soda waters, ginger ales and root beers. One hundred and twenty-one samples were collected, of which 84 samples were labeled "artificially colored, flavored or sweetened," as the case might be. Forty-two of the samples labeled as described were analyzed and were found to conform with the statements on the label. Eight samples which were unlabeled were found not to be in violation of the law. Twenty-nine samples were found to be improperly labeled, or not labeled when containing artificial color or sweetening.

The artificial coloring matters were caramel and coal tar colors. The artificial sweetening was found to be saccharin. No attempt was made to identify the artificial flavors.

The mislabeled samples were either so-called home-made products or were from old stock which had been on the shelves for some time.

The above forms of sophistication and adulteration are in violation of the California Pure Food Act of March 11, 1907. This Act cannot be enforced by the San Francisco Board of Health, because by the provisions of the Act this power rests with the State Board of Health alone. A City Ordinance non-conflicting with the State Act is now in course of preparation. When this ordinance becomes a law the Board of Health will be able to enforce the provisions of the State Act.

MISCELLANEOUS.

The miscellaneous examinations were of samples of suspected preservatives taken from butcher shops, samples of butter, baking powder, vinegar, sugar, syrups and catsups submitted by the various public institutions of the City and County and by private individuals. None of the food stuffs examined were found to be below standard. Thirty-two samples in all were examined.

WATER.

The water supply of the City of San Francisco is furnished by a series of lakes south of the City on the peninsula and from an infiltration system situated in the Sunol Valley in Alameda County, east of San Francisco bay. The water from the Sunol filter beds is piped across to the west side of the bay, where it joins the supply from the above mentioned lakes on the peninsula and is delivered to nine reservoirs and tanks in the City for distribution.* The system is owned and operated by the Spring Valley Water Company.

Samples from each of the distributing reservoirs and the Lakes Merced were analyzed during each month of the year except December. During the greater part of the year examinations were made twice each month. The Lakes Merced form a part of the source of the City supply, but owing to the unprotected condition of their water sheds, due to their proximity to the City, the water from these lakes is of very questionable purity and is not used.

The chemical composition of the water from the distributing reservoirs varies to some extent with the season of the year, this being due principally to the distribution of seasonal rainfall, which occurs almost entirely in the months from November to May, inclusive, the remaining months of the year being practically without precipitation. Comparison with the analyses made in former years shows very good agreement at the same season of the year.

In table No. 3 are given the tabulated analytical results obtained by the examination of the water taken from the distributing reservoirs and the Lakes Merced. Throughout the year 198 analyses were made of these waters.

In table No. 4 are given the tabulated analytical results obtained by the examination of 18 samples of water taken from the service taps of the Spring Valley Water Company.

Tables Nos. 5 and 6 contain the tabulated analytical results of the examination of 28 samples of well water and 14 samples of spring water. The majority of the wells here reported furnished water to dairies supplying milk to the San Francisco market. Owing to the wide variation in the chemical composition of samples taken from neighboring sources and of the very evident contamination

*For a description of the sources of water supply and of the distributing reservoirs of the San Francisco water supply, see Board of Health Report 1906-07.

of the majority of the wells, it is impossible to draw any conclusions from the analyses of the past two years as to the normal composition of the well waters of this portion of the peninsula.

The evidence gained from the chemical examination usually indicated past rather than recent contamination, as shown by the excessive amounts of nitrogen as nitrates. In no case where an excessive nitrate content was found in a well water did bacteriological examination fail to reveal *B. coli* present. The purity of the spring waters here reported cannot be so questioned.

Table No. 7 contains the tabulated analytical results of 14 samples of water taken along Islais Creek in the City and County of San Francisco. This creek is known to receive the contents of several sewers. The analyses were of waters used principally for irrigating vegetable gardens, though the water from some of the wells close along the creek is used in washing vegetables in preparing them for market.

Table No. 8 contains the tabulated analytical results obtained by the analysis of 33 samples of water taken from the Golden Gate Park water supply.

The water which supplies the various drinking fountains* in the Park is obtained at the Water Works situated on the south side of the Park near Twelfth Avenue. Here water is collected in a sump about 200 feet long, half of which is under ground. The bottom of the sump is about 40 feet below the surface of the ground and is thickly perforated to allow the entrance of the water. The water is drawn from the sump by a centrifugal pump into a small reservoir and then forced to a large reservoir on the side of Strawberry Hill, from which it is distributed to the drinking fountains. This source of supply is exposed to great danger of contamination.

In the western end and on opposite sides of the Park are two Dutch wind-mills, which draw water from two open sumps about 20 feet deep and pump it through the Park to be used in feeding several artificial lakes and for irrigation. This water is not used for drinking purposes.

METHODS OF ANALYSIS.

The methods employed in the analysis of water are those recommended by the Committee on Standard Methods of Water Analysis, Journal of Infectious Diseases, Supplement No. 1, 1905. Nitrates are determined by the reduction method, which has been found to be much more satisfactory than the phenol sulphonic acid method. In determining oxygen consumed, the sample containing the standard permanganate is heated at 100 degrees Centigrade for 30 minutes.

Samples for analysis are collected in five-pint glass-stoppered bottles by inspectors familiar with the precautions necessary in taking samples of water for sanitary analysis.

Whenever possible samples are taken directly from the source to be examined at about 6 feet below the surface.

Respectfully,

C. W. BEAVER, Chief Chemist.

*Since the analyses here reported were made, the water from the Park Water Works has been shut off from the drinking fountains in the Park.

WATER ANALYSES

TABLES 3 TO 8

TABLE

TABLE OF ANALYSES OF SAMPLES OF SPRING VALLEY WATER
RESERVOIRS AND

(Parts per

SOURCE.	Date.	Clear or Turbid.	Total Solids.....	Loss on Ignition.....	Fixed Residue.....
Clarendon Heights Tank.....	July 29, '08	Slight turbidity.....	281	103	178
Clarendon Heights Tank.....	Aug. 27, '08	Clear	260	96	164
Clarendon Heights Tank.....	Sept. 15, '08	Clear	262	94	168
Clarendon Heights Tank.....	Oct. 1, '08	Clear	237	85	172
Clarendon Heights Tank.....	Oct. 15, '08	Clear	253	78	175
Clarendon Heights Tank.....	Nov. 5, '08	Clear	263	98	165
Clarendon Heights Tank.....	Nov. 17, '08	Clear	271	80	191
Clarendon Heights Tank.....	Jan. 19, '09	Clear	307	75	232
Clarendon Heights Tank.....	Feb. 10, '09	Slight turbidity.....	213	75	138
Clarendon Heights Tank.....	Feb. 17, '09	Slight turbidity.....	195	75	120
Clarendon Heights Tank.....	Mar. 3, '09	Slight turbidity.....	200	55	145
Clarendon Heights Tank.....	Mar. 17, '09	Clear	237	55	182
Clarendon Heights Tank.....	April 7, '09	Clear	222	62	160
Clarendon Heights Tank.....	April 20, '09	Clear	230	60	170
Clarendon Heights Tank.....	May 4, '09	Clear	241	70	171
Clarendon Heights Tank.....	May 18, '09	Clear	232	73	159
Clarendon Heights Tank.....	June 2, '09	Clear	250	67	183
Clarendon Heights Tank.....	June 16, '09	Clear	250	53	197
Clay Street Tank.....	July 29, '08	Clear	337	113	224
Clay Street Tank.....	Aug. 27, '08	Clear	325	102	223
Clay Street Tank.....	Sept. 16, '08	Clear	337	119	218
Clay Street Tank.....	Oct. 1, '08	Clear	341	101	240
Clay Street Tank.....	Oct. 16, '08	Clear	335	71	264
Clay Street Tank.....	Nov. 5, '08	Clear	341	92	249
Clay Street Tank.....	Nov. 17, '08	Clear	342	82	260
Clay Street Tank.....	Jan. 19, '09	Clear	311	115	196
Clay Street Tank.....	Feb. 10, '09	Clear	312	103	209
Clay Street Tank.....	Feb. 17, '09	Clear	285	100	185
Clay Street Tank.....	Mar. 3, '09	Clear	280	55	225
Clay Street Tank.....	Mar. 17, '09	Clear	280	85	195
Clay Street Tank.....	April 7, '09	Clear	271	87	184
Clay Street Tank.....	April 20, '09	Clear	267	80	187
Clay Street Tank.....	May 4, '09	Clear	280	91	189
Clay Street Tank.....	May 18, '09	Clear	272	92	180
Clay Street Tank.....	June 2, '09	Clear	276	76	200
Clay Street Tank.....	June 16, '09	Clear	234	58	176
College Hill Reservoir.....	July 30, '08	Slight turbidity.....	177	83	94
College Hill Reservoir.....	Aug. 27, '08	Clear	139	61	78
College Hill Reservoir.....	Sept. 15, '08	Clear	131	56	75
College Hill Reservoir.....	Oct. 1, '08	Clear	147	57	90
College Hill Reservoir.....	Oct. 15, '08	Clear	154	55	99
College Hill Reservoir.....	Nov. 4, '08	Clear	128	50	78
College Hill Reservoir.....	Nov. 16, '08	Clear	145	42	103
College Hill Reservoir.....	Jan. 20, '09	Turbid	165	55	110
College Hill Reservoir.....	Feb. 9, '09	Slight turbidity.....	180	60	120
College Hill Reservoir.....	Feb. 16, '09	Turbid	160	60	100
College Hill Reservoir.....	Mar. 2, '09	Slight turbidity.....	140	50	90
College Hill Reservoir.....	Mar. 16, '09	Slight turbidity.....	142	40	102
College Hill Reservoir.....	April 6, '09	Slight turbidity.....	138	50	88
College Hill Reservoir.....	April 19, '09	Clear	122	44	78
College Hill Reservoir.....	May 3, '09	Slight turbidity.....	130	48	82
College Hill Reservoir.....	May 17, '09	Clear	130	40	90
College Hill Reservoir.....	June 1, '09	Slight turbidity.....	133	53	80
College Hill Reservoir.....	June 15, '09	Clear	133	40	93
Francisco Street Reservoir..	July 29, '08	Slight turbidity.....	279	98	181
Francisco Street Reservoir..	Aug. 27, '08	Clear	229	69	160
Francisco Street Reservoir..	Sept. 16, '08	Clear	258	103	155
Francisco Street Reservoir..	Oct. 16, '08	Clear	253	69	184
Francisco Street Reservoir..	Nov. 5, '08	Clear	266	95	171
Francisco Street Reservoir..	Nov. 17, '08	Clear	281	75	206

NO. 3.

COMPANY'S WATERS TAKEN FROM THE CITY DISTRIBUTING
THE LAKES MERCED.

1,000,000.)

Chlorine.....	Nitrogen as				Oxygen Con- sumed.....	REMARKS.
	Nitrites.....	Nitrates.....	Free Am- monia.....	Albumenoid Ammonia.....		
24	0.0	0.030	0.014	0.070	2	
26	0.0	0.320	0.032	0.102	2	
24	0.001	0.325	0.026	0.110	2	
25	0.002	0.162	0.014	0.108	2	
25	0.0	0.274	0.034	0.046	2	
24	0.0	0.424	0.016	0.106	2	
24	0.001	0.234	0.030	0.104	2	
22	0.0	1.742	0.018	0.094	2	
22	0.0	0.28	0.028	0.164	4	
21	0.0	0.372	0.024	0.144	4	
20	0.0	0.418	0.022	0.138	4	
17	0.0	1.452	0.014	0.064	2	
16	0.0	0.818	0.018	0.064	2	
16	0.0	0.716	0.032	0.070	2	
16	0.0	0.642	0.018	0.158	2	
17	0.0	0.504	0.024	0.068	2	
18	0.0	0.512	0.016	0.076	2	
20	0.0	0.466	0.018	0.088	2	
29	0.0	0.510	0.018	0.074	2	
30	0.0	0.684	0.020	0.088	2	
30	0.0	0.690	0.014	0.072	2	
31	0.0	0.744	0.004	0.048	2	
31	0.0	0.656	0.004	0.074	2	
30	0.0	0.868	0.006	0.054	2	
31	0.0	0.686	0.018	0.064	2	
27	0.0	0.440	0.008	0.090	3	
27	0.0	0.468	0.016	0.084	2	
27	0.0	0.410	0.030	0.078	2	
28	0.0	0.546	0.026	0.084	2	
28	0.0	0.548	0.024	0.076	2	
28	0.0	0.644	0.016	0.064	2	
27	0.0	0.556	0.016	0.078	2	
28	0.0	0.626	0.034	0.082	2	
28	0.0	0.604	0.012	0.066	2	
28	0.0	0.558	0.014	0.074	2	
20	0.002	0.350	0.046	0.074	2	
21	0.0	0.022	0.022	0.138	3	
22	0.0	0.004	0.040	0.142	3	
22	0.0	0.150	0.026	0.110	2	
22	0.0	0.076	0.012	0.114	4	
22	0.0	0.066	0.022	0.044	3	
22	0.0	0.118	0.014	0.118	3	
21	0.0	0.014	0.030	0.118	3	
21	0.0	0.264	0.016	0.112	4	
20	0.0	0.416	0.024	0.146	4	
19	0.0	0.240	0.024	0.130	4	
21	0.0	0.200	0.020	0.148	4	
20	0.001	0.200	0.020	0.132	4	
19	0.0	0.248	0.016	0.128	4	
19	0.0	0.158	0.018	0.124	3	
20	0.0	0.214	0.050	0.118	4	
19	0.0	0.114	0.018	0.116	3	
20	0.0	0.160	0.016	0.110	3	
20	0.0	0.060	0.028	0.158	3	
24	0.0	0.002	0.042	0.190	3	
31	0.0	0.006	0.036	0.126	4	
28	0.0	0.108	0.024	0.152	3	
27	0.0	0.016	0.028	0.158	4	
26	0.0	0.114	0.018	0.140	4	
26	0.001	0.097	0.034	0.144	3	

TABLE NO. 3—

TABLE OF ANALYSES OF SAMPLES OF SPRING VALLEY WATER
RESERVOIRS AND THE

(Parts per

SOURCE.	Date.	Clear or Turbid.	Total Solids.....	Loss on Ignition.....	Fixed Residue.....
Francisco Street Reservoir..	Jan. 19, '09	Clear	315	95	220
Francisco Street Reservoir..	Feb. 10, '09	Slight turbidity.....	227	88	139
Francisco Street Reservoir..	Feb. 17, '09	Clear	200	80	120
Francisco Street Reservoir..	Mar. 3, '09	Slight turbidity.....	200	50	150
Francisco Street Reservoir..	Mar. 17, '09	Clear	230	65	165
Francisco Street Reservoir..	April 7, '09	Clear	204	57	147
Francisco Street Reservoir..	April 20, '09	Clear	225	65	160
Francisco Street Reservoir..	May 4, '09	Slight turbidity.....	231	80	151
Francisco Street Reservoir..	May 18, '09	Slight turbidity.....	216	72	144
Francisco Street Reservoir..	June 2, '09	Slight turbidity.....	230	60	170
Francisco Street Reservoir..	June 16, '09	Slight turbidity.....	208	56	152
Lake Honda Reservoir.....	July 31, '08	Slight turbidity.....	204	115	89
Lake Honda Reservoir.....	Aug. 27, '08	Slight turbidity.....	180	50	130
Lake Honda Reservoir.....	Sept. 15, '08	Slight turbidity.....	185	70	115
Lake Honda Reservoir.....	Oct. 1, '08	Turbid	226	97	129
Lake Honda Reservoir.....	Oct. 15, '08	Clear	196	58	138
Lake Honda Reservoir.....	Nov. 4, '08	Clear	194	94	100
Lake Honda Reservoir.....	Nov. 16, '08	Clear	190	60	130
Lake Honda Reservoir.....	Jan. 20, '09	Slight turbidity.....	182	32	130
Lake Honda Reservoir.....	Feb. 9, '09	Slight turbidity.....	210	70	140
Lake Honda Reservoir.....	Feb. 16, '09	Slight turbidity.....	170	50	120
Lake Honda Reservoir.....	Mar. 2, '09	Slight turbidity.....	148	53	95
Lake Honda Reservoir.....	Mar. 16, '09	Slight turbidity.....	160	60	100
Lake Honda Reservoir.....	April 6, '09	Slight turbidity.....	147	49	98
Lake Honda Reservoir.....	April 19, '09	Slight turbidity.....	149	51	98
Lake Honda Reservoir.....	May 3, '09	Slight turbidity.....	175	45	130
Lake Honda Reservoir.....	May 17, '09	Slight turbidity.....	165	50	115
Lake Honda Reservoir.....	June 1, '09	Slight turbidity.....	183	58	125
Lake Honda Reservoir.....	June 15, '09	Slight turbidity.....	172	46	126
Lombard Street Reservoir..	July 29, '08	Slight turbidity.....	230	77	153
Lombard Street Reservoir..	Aug. 27, '08	Clear	210	69	141
Lombard Street Reservoir..	Sept. 16, '08	Clear	215	91	124
Lombard Street Reservoir..	Oct. 1, '08	Clear	227	72	155
Lombard Street Reservoir..	Oct. 16, '08	Clear	212	65	147
Lombard Street Reservoir..	Nov. 5, '08	Clear	209	69	140
Lombard Street Reservoir..	Nov. 17, '08	Clear	202	76	126
Lombard Street Reservoir..	Jan. 19, '09	Slight turbidity.....	197	55	142
Lombard Street Reservoir..	Feb. 10, '09	Slight turbidity.....	195	55	140
Lombard Street Reservoir..	Feb. 17, '09	Slight turbidity.....	180	75	105
Lombard Street Reservoir..	Mar. 3, '09	Slight turbidity.....	175	45	130
Lombard Street Reservoir..	Mar. 17, '09	Slight turbidity.....	160	50	110
Lombard Street Reservoir..	April 7, '09	Slight turbidity.....	172	55	117
Lombard Street Reservoir..	April 20, '09	Slight turbidity.....	187	57	130
Lombard Street Reservoir..	May 4, '09	Slight turbidity.....	195	54	141
Lombard Street Reservoir..	May 18, '09	Slight turbidity.....	198	64	134
Lombard Street Reservoir..	June 2, '09	Clear	206	63	143
Lombard Street Reservoir..	June 16, '09	Slight turbidity.....	195	47	148
Potrero Heights Reservoir..	July 30, '08	Slight turbidity.....	304	139	165
Potrero Heights Reservoir..	Aug. 27, '08	Clear	274	99	175
Potrero Heights Reservoir..	Sept. 16, '08	Clear	264	105	159
Potrero Heights Reservoir..	Oct. 1, '08	Clear	270	92	178
Potrero Heights Reservoir..	Oct. 15, '08	Clear	257	75	182
Potrero Heights Reservoir..	Nov. 4, '08	Clear	257	72	185
Potrero Heights Reservoir..	Nov. 16, '08	Clear	259	69	190
Potrero Heights Reservoir..	Jan. 19, '09	Clear	320	104	216
Potrero Heights Reservoir..	Feb. 9, '09	Slight turbidity.....	213	83	130
Potrero Heights Reservoir..	Feb. 16, '09	Slight turbidity.....	190	75	115
Potrero Heights Reservoir..	Mar. 2, '09	Slight turbidity.....	190	65	125
Potrero Heights Reservoir..	Mar. 18, '09	Clear	250	35	215
Potrero Heights Reservoir..	April 6, '09	Clear	212	72	140

—Continued.

COMPANY'S WATERS TAKEN FROM THE CITY DISTRIBUTING
LAKES MERCED—Cont'd.

1,000,000.)

Chlorine.....	Nitrogen as				Oxygen Con- sumed.....	REMARKS.
	Nitrites.....	Nitrates.....	Free Am- monia.....	Albumenoid Ammonia.....		
24	0.0	1.29	0.034	0.128	3	
22	0.0	0.196	0.024	0.224	5	
21	0.001	0.192	0.028	0.254	5	
22	0.0	0.148	0.028	0.172	4	
17	0.003	0.94	0.028	0.102	3	
19	0.002	0.584	0.032	0.154	4	
16	0.003	0.582	0.034	0.116	3	
22	0.001	0.400	0.040	0.250	4	
24	0.0	0.188	0.032	0.156	4	
25	0.0	0.06	0.028	0.196	5	
26	0.0	0.022	0.022	0.186	4	
34	0.0	0.076	0.012	0.20	3	
34	0.0	0.062	0.026	0.176	4	
36	0.0	0.070	0.018	0.166	3	
36	0.0	0.018	0.158	1.064	4	
37	0.0	0.080	0.052	0.078	3	
34	0.0	0.116	0.060	0.144	3	
32	0.001	0.144	0.032	0.162	3	
30	0.0	0.190	0.030	0.126	4	
29	0.001	0.31	0.042	0.130	3	
26	0.002	0.228	0.036	0.126	4	
23	0.001	0.420	0.020	0.130	4	
20	0.001	0.230	0.034	0.124	4	
25	0.0	0.204	0.016	0.190	4	
27	0.0	0.098	0.034	0.240	4	
33	0.0	0.11	0.022	0.218	4	
32	0.0	0.072	0.016	0.172	4	
33	0.0	0.024	0.020	0.162	3	
31	0.0	0.020	0.024	0.170	3	
29	0.0	0.024	0.020	0.142	3	
33	0.0	0.096	0.036	0.122	3	
33	0.0	0.130	0.046	0.124	3	
34	0.0	0.120	0.012	0.116	3	
33	0.0	0.148	0.028	0.152	4	
31	0.0	0.156	0.020	0.114	3	
29	0.0	0.184	0.036	0.142	3	
29	0.0	0.418	0.022	0.132	4	
24	0.0	0.244	0.020	0.120	4	
21	0.0	0.356	0.040	0.136	4	
21	0.0	0.376	0.020	0.116	4	
19	0.0	0.592	0.024	0.106	3	
21	0.001	0.286	0.022	0.142	4	
27	0.001	0.196	0.024	0.162	4	
27	0.0	0.308	0.024	0.160	3	
26	0.0	0.280	0.028	0.126	3	
28	0.0	0.230	0.034	0.106	3	
27	0.0	0.026	0.018	0.184	4	
26	0.0	0.002	0.042	0.428	5	
26	0.0	0.054	0.034	0.154	3	
26	0.0	0.064	0.024	0.202	4	
26	0.0	0.034	0.010	0.172	4	
26	0.0	0.044	0.044	0.180	3	
27	0.001	0.138	0.038	0.186	3	
26	0.0	0.218	0.046	0.178	3	
22	0.0	1.760	0.008	0.090	3	
22	0.0	0.290	0.018	0.148	4	
21	0.0	0.156	0.020	0.184	5	
23	0.0	0.078	0.010	0.312	5	
16	0.0	1.386	0.022	0.052	2	
18	0.002	0.632	0.028	0.160	4	

TABLE NO. 3—
TABLE OF ANALYSES OF SAMPLES OF SPRING VALLEY WATER
RESERVOIRS AND THE
(Parts per

SOURCE.	Date.	Clear or Turbid.	Total Solids.....	Loss on Ignition....	Fixed Residue.....
Potrero Heights Reservoir.....	April 19, '09	Slight turbidity.....	211	69	142
Potrero Heights Reservoir.....	May 3, '09	Clear	230	80	150
Potrero Heights Reservoir.....	May 17, '09	Clear	223	55	168
Potrero Heights Reservoir.....	June 1, '09	Clear	250	77	173
Potrero Heights Reservoir.....	June 15, '09	Clear	252	59	193
Potrero Heights Reservoir.....	June 17, '09	Clear	256	66	190
Presidio Heights Tank.....	July 29, '08	Slight turbidity.....	285	102	183
Presidio Heights Tank.....	Aug. 27, '08	Clear	286	92	194
Presidio Heights Tank.....	Sept. 16, '08	Clear	268	105	163
Presidio Heights Tank.....	Oct. 1, '08	Clear	269	96	173
Presidio Heights Tank.....	Oct. 16, '08	Clear	258	71	187
Presidio Heights Tank.....	Nov. 5, '08	Clear	252	74	178
Presidio Heights Tank.....	Nov. 17, '08	Clear	288	98	190
Presidio Heights Tank.....	Jan. 19, '09	Clear	310	90	220
Presidio Heights Tank.....	Feb. 10, '09	Slight turbidity.....	221	81	140
Presidio Heights Tank.....	Feb. 17, '09	Clear	200	80	120
Presidio Heights Tank.....	Mar. 3, '09	Slight turbidity.....	210	65	145
Presidio Heights Tank.....	Mar. 16, '09	Clear	225	70	175
Presidio Heights Tank.....	April 7, '09	Clear	221	54	167
Presidio Heights Tank.....	April 20, '09	Clear	231	31	200
Presidio Heights Tank.....	May 4, '09	Clear	250	70	180
Presidio Heights Tank.....	May 18, '09	Clear	237	48	189
Presidio Heights Tank.....	June 2, '09	Clear	250	65	185
Presidio Heights Tank.....	June 16, '09	Clear	243	50	193
University Mound Reservoir.....	July 30, '08	Clear	271	85	186
University Mound Reservoir.....	Aug. 27, '08	Clear	269	87	182
University Mound Reservoir.....	Sept. 15, '08	Clear	260	82	178
University Mound Reservoir.....	Oct. 1, '08	Clear	268	93	175
University Mound Reservoir.....	Oct. 15, '08	Clear	259	72	187
University Mound Reservoir.....	Nov. 4, '08	Clear	276	103	173
University Mound Reservoir.....	Nov. 16, '08	Clear	279	86	193
University Mound Reservoir.....	Jan. 20, '09	Clear	277	70	207
University Mound Reservoir.....	Feb. 9, '09	Slight turbidity.....	224	87	137
University Mound Reservoir.....	Feb. 16, '09	Slight turbidity.....	200	65	135
University Mound Reservoir.....	Mar. 2, '09	Slight turbidity.....	188	55	133
University Mound Reservoir.....	Mar. 16, '09	Clear	238	65	193
University Mound Reservoir.....	April 6, '09	Clear	217	73	144
University Mound Reservoir.....	April 19, '09	Clear	228	61	167
University Mound Reservoir.....	May 3, '09	Clear	244	69	175
University Mound Reservoir.....	May 17, '09	Clear	233	45	188
University Mound Reservoir.....	June 1, '09	Clear	254	71	183
University Mound Reservoir.....	June 15, '09	Slight turbidity.....	260	45	215
North Lake Merced.....	July 31, '08	Slight turbidity.....	322	144	178
North Lake Merced.....	Aug. 27, '08	Slight turbidity.....	305	93	212
North Lake Merced.....	Sept. 15, '08	Slight turbidity.....	293	111	182
North Lake Merced.....	Oct. 1, '08	Turbid	306	103	203
North Lake Merced.....	Oct. 15, '08	Turbid	311	76	235
North Lake Merced.....	Nov. 4, '08	Slight turbidity.....	333	129	204
North Lake Merced.....	Nov. 16, '08	Turbid	310	77	233
North Lake Merced.....	Jan. 20, '09	Turbid	290	65	225
North Lake Merced.....	Feb. 9, '09	Turbid	302	92	210
North Lake Merced.....	Feb. 16, '09	Turbid	280	95	185
North Lake Merced.....	Mar. 2, '09	Turbid	270	80	190
North Lake Merced.....	Mar. 16, '09	Slight turbidity.....	285	90	195
North Lake Merced.....	April 6, '09	Slight turbidity.....	266	82	184
North Lake Merced.....	April 19, '09	Turbid	275	79	196
North Lake Merced.....	May 3, '09	Turbid	280	77	203
North Lake Merced.....	May 17, '09	Slight turbidity.....	280	80	200
North Lake Merced.....	June 1, '09	Turbid	278	72	206
North Lake Merced.....	June 15, '09	Turbid	280	71	209

—Continued.

COMPANY'S WATERS TAKEN FROM THE CITY DISTRIBUTING
LAKES MERCED—Cont'd.

1,000,000.)

Chlorine	Nitrogen as				Oxygen Consumed.....	REMARKS.
	Nitrates.....	Nitrates	Free Am- monia.....	Albumenoid Ammonia.....		
17	0.001	0.466	0.012	0.254	4	
18	0.001	0.588	0.022	0.172	4	
16	0.001	0.317	0.034	0.128	3	
18	0.001	0.326	0.024	0.078	3	
19	0.001	0.230	0.034	0.524	2	
19	0.001	0.230	0.034	0.096	2	
24	0.0	0.246	0.018	0.104	2	
25	0.0	0.324	0.028	0.096	2	
26	0.0	0.412	0.028	0.126	3	
27	0.0	0.426	0.014	0.104	3	
27	0.0	0.314	0.038	0.116	3	
25	0.0	0.338	0.014	0.108	3	
25	0.0	0.306	0.026	0.108	3	
25	0.0	1.100	0.008	0.096	3	
22	0.0	0.466	0.012	0.132	4	
22	0.0	0.590	0.026	0.138	4	
23	0.0	0.776	0.016	0.126	4	
20	0.0	0.996	0.016	0.090	3	
20	0.0	1.206	0.026	0.096	3	
18	0.0	1.344	0.020	0.076	2	
17	0.0	1.086	0.058	0.090	2	
18	0.0	0.930	0.038	0.058	2	
19	0.001	0.542	0.030	0.056	2	
20	0.001	0.446	0.038	0.098	2	
24	0.0	0.062	0.026	0.116	2	
25	0.001	0.192	0.028	0.110	2	
25	0.002	0.398	0.040	0.112	2	
26	0.008	0.296	0.012	0.102	3	
25	0.001	0.248	0.016	0.066	3	
26	0.003	0.284	0.024	0.124	2	
25	0.002	0.362	0.034	0.128	3	
20	0.001	1.760	0.018	0.080	2	
21	0.0	0.412	0.028	0.156	4	
22	0.001	0.220	0.034	0.168	4	
21	0.0	0.514	0.014	0.186	4	
17	0.0	1.084	0.016	0.066	2	
17	0.0	0.820	0.016	0.122	3	
16	0.0	1.084	0.016	0.094	2	
16	0.0	0.626	0.034	0.148	2	
16	0.0	0.514	0.014	0.098	2	
18	0.0	0.320	0.030	0.068	2	
.....	0.0	0.604	0.012	0.158	3	
65	0.0	0.108	0.024	0.356	6	
66	0.0	0.012	0.032	0.258	5	
66	0.0	0.096	0.036	0.242	4	
66	0.0	0.120	0.012	0.288	5	
66	0.0	0.064	0.068	0.152	5	
67	0.0	0.070	0.018	0.284	6	
66	0.0	0.132	0.032	0.372	6	
63	0.0	0.054	0.034	0.342	6	
60	0.0	0.056	0.032	0.354	6	
50	0.0	0.044	0.030	0.350	6	
60	0.0	0.0	0.014	0.330	6	
58	0.0	0.044	0.034	0.316	6	
57	0.0	0.112	0.020	0.358	7	
59	0.0	0.060	0.028	0.420	6	
60	0.0	0.098	0.034	0.330	6	
58	0.0	0.058	0.030	0.290	6	
60	0.0	0.020	0.024	0.296	5	
61	0.0	0.008	0.036	0.344	6	

TABLE NO. 3—
TABLE OF ANALYSES OF SAMPLES OF SPRING VALLEY WATER
RESERVOIRS AND THE

(Parts per

SOURCE			Date		Clear or Turbid	Total Solids.....	Loss on Ignition	Fixed Residue.....
South Lake Merced.....	July	31, '08	Slight	turbidity.....	300	161	139	
South Lake Merced.....	Aug.	27, '08	Slight	turbidity.....	272	92	180	
South Lake Merced.....	Sept.	15, '08	Slight	turbidity.....	281	86	195	
South Lake Merced.....	Oct.	1, '08	Slight	turbidity.....	285	81	204	
South Lake Merced.....	Oct.	15, '08	Slight	turbidity.....	283	70	213	
South Lake Merced.....	Nov.	4, '08	Slight	turbidity.....	295	112	183	
South Lake Merced.....	Nov.	16, '08	Turbid	.....	293	78	215
South Lake Merced.....	Jan.	20, '09	Turbid	.....	300	60	240
South Lake Merced.....	Feb.	9, '09	Turbid	.....	273	63	210
South Lake Merced.....	Feb.	16, '09	Turbid	.....	290	105	185
South Lake Merced.....	Mar.	2, '09	Turbid	.....	242	67	175
South Lake Merced.....	Mar.	16, '09	Slight	turbidity.....	272	95	177	
South Lake Merced.....	April	6, '09	Slight	turbidity.....	255	63	192	
South Lake Merced.....	April	19, '09	Turbid	.....	260	77	183
South Lake Merced.....	May	3, '09	Turbid	.....	248	61	187
South Lake Merced.....	May	17, '09	Slight	turbidity.....	250	65	185	
South Lake Merced.....	June	1, '09	Slight	turbidity.....	250	65	185	
South Lake Merced.....	June	15, '09	Slight	turbidity.....	255	64	191	

—Continued.

COMPANY'S WATERS TAKEN FROM THE CITY DISTRIBUTING
LAKES MERCED—Cont'd.

1,000,000.)

Chlorine.....	Nitrogen as				Oxygen Con- sumed.....	REMARKS
	Nitrites.....	Nitrates.....	Free Am- monia.....	Albumenoid Ammonia..		
60	0.0	0.046	0.020	0.258	4	
63	0.0	0.004	0.040	0.240	4	
62	0.0	0.026	0.018	0.198	3	
63	0.0	0.068	0.020	0.256	4	
62	0.0	0.074	0.058	0.138	4	
63	0.0	0.112	0.020	0.490	7	
63	0.001	0.086	0.046	0.312	4	
60	0.0	0.088	0.044	0.306	5	
57	0.0	0.202	0.018	0.284	4	
56	0.001	0.088	0.030	0.348	6	
57	0.0	0.0	0.024	0.396	5	
56	0.0	0.044	0.028	0.360	6	
56	0.0	0.114	0.018	0.302	6	
56	0.0	0.100	0.032	0.300	4	
57	0.0	0.102	0.030	0.260	5	
57	0.0	0.220	0.022	0.224	5	
59	0.0	0.064	0.024	0.238	4	
58	0.0	0.020	0.024	0.204	4	

TABLE

TABLE OF ANALYSES OF SAMPLES OF WATER TAKEN FROM

(Parts per

SOURCE	Date		Clear or Turbid	Total Solids.....	Loss on Ignition	Fixed Residue.....
Residence of Mrs. Foster, 806 Schraeder St.....	July	24, '08	*Clear	204	73	131
St. Francis Hotel.....	July	27, '08	Clear	289	97	192
St. Francis Hotel.....	July	27, '08	Clear	280	97	183
St. Francis Hotel.....	Aug.	18, '08	Clear	267	105	162
St. Francis Hotel.....	Aug.	18, '08	Clear	264	106	158
Bacteriological Laboratory, Board of Health.....	Aug.	18, '08	*Clear	188	76	112
Bacteriological Laboratory, Board of Health.....	Aug.	18, '08	Clear	189	93	96
Pine and Larkin Sts.....	July	27, '08	Clear	287	107	180
Kitchen in Seamen's Insti- tute, Stewart St., between Howard and Folsom Sts....	Aug.	5, '08	Clear	289	93	196
Chemical Laboratory, Board of Health.....	July	31, '08	*Clear	219	119	100
Chemical Laboratory, Board of Health.....	July	30, '08	Clear	225	103	122
Kitchen at 313 Lyon St.....	Aug.	27, '08	Clear	178	47	131
Kitchen at residence of Mrs. Moran, 1512 Hanover St....	Sept.	4, '08	Clear	268	86	182
Kitchen at residence of Miss Cosgriff, 110 Walnut St....	Sept.	4, '08	Clear	266	91	175
Kitchen at residence of Mrs. Corthay, 560 Castro St....	Nov.	9, '08	Clear	286	86	200
Schilling's Factory, 2d and Folsom Sts.....	May	17, '09	Clear	247	45	202
Central Emergency Hospital.	June	3, '09	Clear	130	40	90
442 Lyon St.....	June	21, '09	Clear	175	56	119

*With small amount of suspended matter.

NO. 4.

THE SPRING VALLEY WATER COMPANY'S SERVICE TAPS.
1,000,000.)

Chlorine.....	Nitrogen as				Oxygen Con- sumed.....	REMARKS
	Nitrites.....	Nitrates.....	Free Am- monia.....	Albumenoid Ammonia..		
33	0.0	0.132	0.020	0.146	4	Water from Lake Honda.
24	0.0	0.220	0.014	0.056	2	Sample taken before water enters Forbes' Sterilizer.
25	0.0	0.176	0.012	0.054	2	Sample taken after water passed through Forbes' Sterilizer.
23	0.0	0.262	0.046	0.112	2	Sample taken before water enters Forbes' Sterilizer.
24	0.0	0.232	0.032	0.106	2	From Forbes' Sterilizer.
30	0.0	0.220	0.034	0.144	3	Sample taken before water enters Pasteur Filter.
30	0.0	0.148	0.028	0.092	3	Sample taken after water passes through Pasteur Filter.
25	0.0	0.264	0.010	0.048	2	
23	0.0	0.190	0.030	0.060	3	
32	0.0	0.044	0.044	0.166	3	Sample taken before water enters Pasteur Filter.
30	0.0	0.048	0.040	0.120	3	Sample taken after water passed through Pasteur Filter.
34	0.0	0.148	0.028	0.134	3	
27	0.0	0.196	0.024	0.122	2	
27	0.0	0.380	0.016	0.092	2	
27	0.0	0.516	0.012	0.100	3	
15	0.0	0.512	0.016	0.056	2	
20	0.0	0.028	0.016	0.094	4	
32	0.0	0.104	0.028	0.120	3	

TABLE
TABLE OF ANALYSES OF SAMPLES
(Parts per

SOURCE.	Date.	Clear or Turbid.	Total Solids.....	Loss on Ignition.....	Fixed Residue.....
Property of J. D. Thomas, 908 33d Ave. S.....	July 10, '08	Clear	489	186	303
Property of T. Mitchell, 427 Munich St.....	July 13, '08	Yellowish tint.....	1574	669	905
Property of LaBrucheri Bros., La Grande and Brazil Sts.....	July 13, '08	Clear	759	395	364
Property of LaBrucheri Bros., La Grande and Brazil Sts.....	Aug. 12, '08	Clear	677	361	316
Property of LaBrucheri Bros., La Grande and Brazil Sts.....	Aug. 12, '08	Clear	697	405	292
Property of Mrs. J. O'Rourke, La Grande and Brazil Sts.....	May 6, '09	Clear, with suspend- ed matter.....	1143	521	622
Property of C. Ballhaus, 116 Naples St.....	July 13, '08	Clear	2067	1070	997
Property of J. Fassler, 5230 Mission St.....	July 13, '08	Clear	912	442	470
Property of Witt Bros., Colma Upper Well.....	July 14, '08	Clear	1005	557	448
Property of Witt Bros., Colma Lower Well.....	July 14, '08	Clear	757	380	377
Property of F. Mozzetti, 1047 16th Ave. S.....	July 15, '08	Clear	2273	1045	1228
Property of the Standard Milk Co., 3201 16th St.....	July 20, '08	Clear	522	175	347
Property of the Dairy De- livery Co., 3550 19th St.....	July 20, '08	Clear	789	320	469
Property of P. Menjou, 528 Cambridge St.....	July 24, '08	Clear	545	270	275
Property of Hale Bros., Market St.....	Aug. 12, '08	Clear	700	340	360
Property of Hale Bros., Market St.....	Aug. 12, '08	Clear	638	295	343
Property of M. Johnson, 6-Mile House, San Bruno Road	Aug. 28, '08	Clear	1750	896	854
Property of M. Johnson, 6-Mile House, San Bruno Road	Feb. 26, '09	Very Turbid.....	3522	1280	2242
Property of M. Johnson, 6-Mile House, San Bruno Road	June 4, '09	Clear	1743	872	871
Property of Mrs. Barbara Hecker, 561 Castro St.....	Sept. 15, '08	Clear	731	181	550
Property of Albert Meyers, 221 Ripley St.....	Sept. 22, '08	Clear, with large amt. suspended matter..	516	250	266
Property of Albert Meyers, 221 Ripley St.....	Nov. 9, '09	Turbid	530	159	371

NO. 5.

OF WATER TAKEN FROM WELLS.

1,000,000.)

Chlorine.....	Nitrogen as				Oxygen Consumed.....	REMARKS.
	Nitrites.....	Nitrates.....	Free Ammonia.....	Albumoid Ammonia.....		
89	0.008	14.50	0.020	0.036	2	A dug well 38 feet deep.
315	0.008	55.00	0.070	0.230	4	A dug well 35 feet deep, cased with wood, located in cow corral.
112	0.032	24.20	0.012	0.050	2	A dug well 60 feet deep, cased with wood. Well loosely covered, may receive drainage from barns and corral.
96	0.002	22.00	0.048	0.052	1	From the above described well. Sample taken from the pump after pumping 5 minutes.
90	0.002	22.00	0.024	0.042	1	From the above described well. Sample taken directly from the well 4 feet below surface.
206	0.014	57.20	0.052	0.192	6	From the same well as the preceding samples.
494	0.013	77.00	0.044	0.124	3	A dug well, with wooden casing, located 15 feet in rear of house.
123	0.011	49.5	0.024	0.038	1	A bored well 140 feet deep, cased with galvanized iron, perforated 30 feet from the bottom.
191	0.006	44.00	0.024	0.034	2	A bored well 114 feet deep, cased with galvanized iron, perforated 70 feet from the bottom.
180	0.002	22.00	0.012	0.030	1	A bored well 120 feet deep, cased with galvanized iron, perforated 70 feet from the bottom.
517	0.042	66.00	0.108	0.202	4	A shallow dug well, 100 feet from barn.
87	0.110	74.24	0.496	0.056	2	A bored well 114 feet deep, cased with galvanized iron, perforated 5 and 10 feet from the bottom.
165	0.002	19.25	0.020	0.040	2	A bored well 150 feet deep, cased with galvanized iron.
103	0.010	22.00	0.038	0.048	2	A dug well 25 feet deep, cased with wood.
92	0.001	17.6	0.020	0.038	1	A bored well 198 feet deep, cased with galvanized iron, perforated at the bottom. Water filtered.
91	0.006	17.6	0.034	0.056	1	From the above described well. Water unfiltered.
338	0.006	74.80	0.038	0.168	4	A bored well 80 feet deep, cased with galvanized iron, perforated to within 3 feet of surface. In lowest point of drainage area, including cow corral and barns.
348	0.120	70.4	1.55	5.19	144	From the well above described.
339	0.060	72.60	0.026	0.160	3	From the well above described.
125	0.0	11.88	0.008	0.044	1	A dug well 40 feet deep, cased with brick laid in cement.
69	0.010	14.05	0.022	0.094	7	A dug well 24 feet deep, cased with wood, casing rotten, cover faulty.
65	0.006	10.45	0.008	0.224	10	From the well above described.

TABLE NO. 5—
TABLE OF ANALYSES OF SAMPLES OF
(Parts per

SOURCE	Date.	Clear or Turbid.	Total Solids.....	Loss on Ignition...	Fixed Residue.....
Property of Steve Kodlick, 1113 29th Ave S.....	Mar. 18, '09	Very turbid.....	830	110	720
Property of Steve Kodlick, 1113 29th Ave S.....	April 12, '09	Turbid	700	82	618
Property of S. Aftergut, 1015 16th Ave S.....	June 4, '09	Clear	2445	1040	1405
Well at 115 Day St.....	June 15, '09	Turbid	690	165	525
Property of M. B. Barros, Monticello and Lake View Aves.	June 28, '09	Slight turbidity.....	177	62	115
Property of Meehan, 39th Ave., Ocean Beach.....	June 28, '09	Turbid	205	75	130

TABLE
TABLE OF ANALYSES OF SAMPLES

Property of P. Caubu, 1119 19th Ave S.....	July 15, '08	Clear	332	138	194
Property of P. Casabon, 901 15th Ave S.....	July 15, '08	Clear	330	130	200
Purity Spring.....	July 20, '08	Clear	164	55	109
Property of La Brucheri Bros., 400 Harvard St.....	July 24, '08	Clear	380	183	197
Property of B. Cassou, Way- land and Hamilton Sts.....	Sept. 4, '08	Clear	463	217	246
Property of B. Cassou, Way- land and Hamilton Sts.....	Nov. 9, '08	Clear	393	150	243
County Line Water Co., Reiss Tract.....	Aug. 28, '08	Clear	225	46	179
County Line Water Co., Reiss Tract.....	Sept. 4, '08	Clear	233	60	173
County Line Water Co., Reiss Tract.....	Sept. 4, '08	Turbid	230	58	172
Mt. St. Joseph's Orphan Asylum	Sept. 22, '08	Large amount sus- pended matter.....	604	350	254
Mt. St. Joseph's Orphan Asylum	Nov. 9, '08	Clear	587	252	335
Mt. St. Joseph's Orphan Asylum	Nov. 9, '08	Clear	782	422	360
Spring at Green and Lyon Sts.	May 10, '09	Yellowish tint.....	410	80	330
Spring at Green and Lyon Sts.	June 7, '09	Yellowish tint.....	409	102	307

—Continued.

WATER TAKEN FROM WELLS.—Continued.

1,000,000.)

Chlorine.....	Nitrogen as				Oxygen Consumed.....	REMARKS
	Nitrites.....	Nitrates.....	Free Ammonia.....	Albumoid Ammonia.....		
140	0.102	12.49	0.170	0.220	9	An open well about 75 feet deep, cased with wood.
200	0.052	19.25	0.032	0.090	7	From the well above described.
532	0.0025	123.20	0.034	0.260	5	Well receives drainage from barns and corral.
53	0.002	17.55	0.050	0.306	15	Open well 35 feet deep, situated under a house.
25	0.025	5.46	0.040	0.104	4	A dug well 14 feet deep, cased with boards.
25	0.100	5.24	0.040	0.142	5	A dug well 15 feet deep, cased with boards.

NO. 6.

OF WATER TAKEN FROM SPRINGS.

41	0.0	3.52	0.012	0.028	1	Spring on hillside remote from premises.
39	0.0	3.41	0.008	0.014	1	Spring on hillside remote from premises.
23	0.0	0.556	0.016	0.022	2	Taken from 5-gallon service bottle as delivered.
38	0.001	7.260	0.018	0.060	2	Spring on hillside above premises.
50	0.0	21.120	0.016	0.044	1	Spring on hillside ½ mile from premises.
41	0.0	17.150	0.002	0.028	1	From the spring above described.
31	0.0	1.166	0.022	0.036	1	Sample taken from faucet. Water from reservoir.
31	0.001	1.008	0.048	0.058	2	Sample taken from reservoir, fed by springs in tunnel on side hill.
30	0.0	1.004	0.008	0.022	2	Sample taken from faucet. Water from reservoir.
87	0.280	19.500	0.030	0.276	5	Spring water. Sample taken from reservoir.
84	0.170	22.550	0.042	0.190	3	Spring water. Sample taken from reservoir.
112	0.0	38.500	0.008	0.026	1	Spring water. Sample taken directly at the feed pipe at the reservoir.
26	0.030	17.570	0.062	0.218	5	Property of the City. Spring undeveloped.
26	0.050	11.000	0.134	0.168	6	From the spring above described.

TABLE
TABLE OF ANALYSES OF SAMPLES OF
(Parts per

SOURCE	Date	Clear or Turbid	Total Solids.....	Loss on Ignition	Fixed Residue.....
Property of G. and G. B. Risso, Mission St. and Silver Ave.....	Oct. 6, '08	Turbid	739	272	467
Property of M. Dundero, Islais Creek.....	Oct. 6, '08	Turbid	907	290	617
Property of J. Restani, San Jose Ave.....	Oct. 6, '08	Turbid	1023	390	633
Property of Lui Bafico, San Jose Ave.....	Oct. 6, '08	Clear	1078	365	713
Property of L. Gotelli, San Jose Ave.....	Oct. 6, '08	Turbid	1205	510	695
Property of J. Garabaldi, San Jose Ave.....	Oct. 6, '08	Clear	710	285	425
Property of A. Garabaldi, San Jose Ave.....	Oct. 6, '08	Clear	619	260	359
Property of John Paoli, 204 Alamany St.....	Oct. 7, '08	*Clear	783	238	545
Property of Frank Demartini, Alamany and Bower Sts.	Oct. 7, '08	Clear	626	163	463
Property of G. Garabaldi, Islais Creek.....	Oct. 7, '08	Turbid	755	379	376
Property of G. Trisconia, 66 Bower St.....	Oct. 7, '08	Turbid	1177	460	717
Property of Frank Armanio, Geneva Ave.....	Oct. 7, '08	Clear	598	206	392
Property of Wm. Varni, Huron and Geneva Aves....	Oct. 7, '08	Clear	590	201	389
Property of G. Varni, 101 Geneva Ave.....	Oct. 7, '08	Clear	435	127	308

*Small amount of suspended matter.

NO. 7.

WATER TAKEN IN THE ISLAIS CREEK BASIN.

1,000,000.)

Chlorine.....	Nitrogen as				Oxygen Con- sumed.....	REMARKS
	Nitrates.....	Nitrates.....	Free Am- monia.....	Albumenoid Ammonia..		
115	1.875	18.70	3.844	1.540	27	Sample from sump supplied by Islais Creek. Water used for irrigating vegetable gardens.
130	1.125	30.80	1.184	1.592	26	Sample from a sump in a branch of Islais Creek. Water used for irrigating vegetable gardens.
139	0.0	5.50	8.85	8.570	111	Sample from a dug well 10 feet deep, 100 feet from Islais Creek. Used for irrigating.
160	0.014	63.80	0.128	0.286	4	Sample from a drilled well 100 feet deep, cased with galvanized iron. Used for household purposes and irrigating.
178	0.060	60.50	0.092	0.548	15	Sample from dug well 35 feet deep, cased with wood, in center of garden. Used for household and for irrigation.
90	0.0	36.30	0.020	0.074	1	Sample from drilled well 75 feet deep, cased with iron. 25 feet from creek. Used for household purposes and irrigation.
88	0.002	30.80	0.028	0.058	1	Sample from drilled well 150 feet deep, cased with galvanized iron. Used for household purposes and irrigation.
100	0.160	29.70	0.236	0.360	7	Sample from open well 20 feet deep. Well in center of garden. Used for irrigating only.
95	0.004	27.50	0.042	0.088	2	Sample from drilled well 175 feet deep, cased with iron. Well 25 feet from creek. Used for household purposes and irrigating.
122	0.005	8.80	5.090	5.330	64	Sample from Islais Creek. Vile odor. Used for irrigating only.
123	2.000	25.30	1.060	2.880	37	Sample from open well 10 feet deep, supplied from creek. Used for irrigating only.
86	0.001	30.80	0.030	0.074	1	Sample from drilled well 80 feet deep, cased with iron. Well in garden. Used for household purposes and irrigating.
82	0.005	38.50	0.026	0.068	1	Sample from open well 14 feet deep. Well in garden. Used for household purposes and irrigation.
66	0.001	20.90	0.016	0.028	1	Sample from a flowing well 90 feet deep, cased with iron. Well 40 feet from creek. Used for household purposes and irrigation.

TABLE
TABLE OF ANALYSES OF SAMPLES OF WATER
(Parts per

SOURCE.	Date.	Clear or Turbid.	Total Solids.....	Loss on Ignition.....	Fixed Residue.....
Golden Gate Park Water Works	May 3, '09	Clear	377	149	228
Golden Gate Park Water Works	May 14, '09	Turbid	375	130	245
Golden Gate Park Water Works	June 3, '09	*Clear	394	144	250
Golden Gate Park Water Works	June 14, '09	*Clear	423	187	236
Golden Gate Park Water Works	June 14, '09	*Clear	410	185	225
Golden Gate Park Water Works	June 14, '09	*Clear	400	136	264
Golden Gate Park Water Works	June 14, '09	*Clear	374	152	222
*Golden Gate Park Water Works	June 14, '09	*Clear	374	153	221
Golden Gate Park Water Works	June 21, '09	Clear	385	155	230
Golden Gate Park Water Works	June 21, '09	Clear	415	155	260
Golden Gate Park Water Works	June 21, '09	Clear	390	140	250
Reservoir on side of Strawberry Hill	May 4, '09	Clear	377	139	238
Reservoir on side of Strawberry Hill	May 14, '09	Slight turbidity.....	360	100	260
Reservoir on side of Strawberry Hill	June 3, '09	*Clear	373	125	248
Reservoir on side of Strawberry Hill	June 14, '09	*Clear	380	165	215
S. G. Murphy Dutch Windmill	May 3, '09	Slight turbidity.....	675	212	463
S. G. Murphy Dutch Windmill	May 14, '09	Clear	579	120	459
S. G. Murphy, Dutch Windmill	June 3, '09	Slight turbidity.....	620	180	440
S. G. Murphy Dutch Windmill	June 14, '09	*Clear	570	141	429
Dutch Windmill opposite U. S. Life Saving Station	May 3, '09	Clear	310	90	220
Dutch Windmill opposite U. S. Life Saving Station	May 14, '09	*Clear	305	75	230
Dutch Windmill opposite U. S. Life Saving Station	June 3, '09	Clear	310	80	230
Dutch Windmill opposite U. S. Life Saving Station	June 14, '09	*Clear	292	89	203
Tap in Children's Playground	May 3, '09	Clear	370	139	231
Tap in Children's Playground	May 14, '09	Slight turbidity.....	361	95	266
Tap in Children's Playground	June 28, '09	Slight turbidity.....	255*	140	115
Tap at the Baker St. Entrance	June 28, '09	Clear	375	155	220
Tap at the Stanyon St. Entrance	June 28, '09	Clear	370	137	233
Tap at the Page St. Entrance	June 28, '09	Clear	370	130	240
Tap back of the Tennis Courts	June 28, '09	Clear	377	114	263
Tap at Park Lodge	June 22, '09	Clear	383	160	223
Tap at Park Lodge	June 22, '09	Slight turbidity.....	380	150	230
Tap in front of Museum	June 28, '09	Clear	362	120	242

*Small amount of suspended matter.

NO. 8.

TAKEN FROM THE GOLDEN GATE PARK WATER SUPPLY.
1,000,000.)

Chlorine.....	Nitrogen as				Oxygen Consum- ing Power.....	REMARKS.
	Nitrites.....	Nitrates.....	Free Am- monia.....	Albumenoid Ammonia.....		
43	0.040	13.180	0.020	0.052	1	Sample taken from tap outside of pump room.
43	0.005	14.080	0.026	0.054	2	Sample taken at the pump well.
44	0.007	16.720	0.018	0.052	2	Sample taken at pump well.
40	0.015	21.700	0.012	0.072	2	Sample taken at west side of old open sump from a pool about 5 feet deep.
43	0.018	23.680	0.002	0.096	1	Sample taken from little stream connecting two open pools of old open sump.
40	0.030	17.30	0.030	0.122	2	Sample taken from end of old open sump near pump, from a pool about 20 feet deep.
41	0.015	15.100	0.018	0.062	1	Sample taken from main covered sump at east end, near the pump.
41	0.140	12.900	0.012	0.144	2	Sample taken from pool on top of the bank west of the pump.
41	0.0	14.072	0.008	0.042	1	Sample taken from west end of main sump, near the pump.
44	0.0	16.714	0.006	0.038	1	Sample taken at east end of main sump.
42	0.001	14.510	0.010	0.060	1	Sample taken at north end of north drift, main sump.
42	0.050	14.818	0.032	0.084	1	Sample taken from reservoir.
42	0.020	15.400	0.034	0.060	1	Sample taken from reservoir.
44	0.016	15.400	0.008	0.096	2	Sample taken from reservoir.
42	0.030	15.100	0.034	0.070	1	Sample taken from reservoir.
113	0.048	4.306	0.034	0.226	5	Sample taken from tap outside of pump room.
94	0.035	3.586	0.050	0.148	3	Sample taken from tap outside of Pump room.
101	0.055	4.150	0.030	0.222	5	Sample taken from sump.
92	0.060	3.052	0.028	0.116	3	Sample taken from sump.
53	0.004	0.510	0.040	0.070	2	Sample taken from tap outside of pump room.
51	0.002	0.176	0.022	0.172	3	Sample taken from sump.
48	0.002	0.056	0.032	0.056	2	Sample taken from sump.
45	0.003	0.572	0.088	0.074	1	Sample taken from sump.
42	0.0	12.642	0.008	0.042	1	
42	0.001	16.280	0.030	0.042	1	
31	0.0	0.096	0.036	0.114	3	Not supplied by Park Water Works.
42	0.0	13.182	0.018	0.030	1	
41	0.0	13.620	0.020	0.032	1	
41	0.0	13.180	0.020	0.042	1	
42	0.005	14.070	0.010	0.056	1	
42	0.009	13.164	0.916	0.070	2	Sample taken after passing through sand filter.
42	0.006	12.302	0.018	0.098	2	Sample taken before passing through sand filter.
42	0.004	14.058	0.022	0.064	1	

REPORT OF BACTERIOLOGIST

REPORT OF BACTERIOLOGIST H. A. L. RYFKOGEL, M. D., FOR THE FISCAL YEAR ENDING JUNE 30, 1909.

To the Honorable, the Board of Health:

Gentlemen: I have the honor herewith to submit my annual report of work performed in the Bacteriological Laboratory for the fiscal year ending June 30, 1909.

EXAMINATIONS MADE.

Month.	Diphtheria	Tuberculo- sis (Sputum)	Widal Reactions	Pneumonia (Sputum)	Other examinations..	Milk	Water	Fumigations...	Total.....
1908.									
July.....	22	85	10		2	45	34		183
August.....	37	70	12		2	81	35		216
September.....	18	69	9		1	107	27	3	231
October.....	40	96	13	1	6	97	33	18	232
November.....	66	89	20	4	4	108	26	22	335
December.....	31	99	11	2	2	2	1		138
1909.									
January.....	44	90	22		4	171	12	16	366
February.....	48	94	30		1	90	23	19	311
March.....	43	104	36		3	75	25	37	336
April.....	89	191	19		10	46	24	35	417
May.....	53	157	20		5	61	44	32	376
June.....	53	79	10		2	87	36	29	346
Total.....	547	1682	222	3	27	970	342	211	3567

Respectfully,
H. A. L. RYFKOGEL,
Bacteriologist.

RECAPITULATION.

Diphtheria.....	1,682	Water.....	342
Tuberculosis.....	222	Fumigations.....	211
Pneumonia.....	3	Other Examinations.....	27
Widal Reactions.....	110		
Milk.....	970	Grand Total.....	3,567

REPORT OF BACTERIOLOGIST

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BACTERIOLOGICAL EXAMINATION OF SPRING VALLEY WATER CO.'S WATERS
JULY, 1908, TO JUNE, 1909, INCLUSIVE.

MONTH	Lake Honda		University Mound.		S. Lake Merced		N. Lake Merced		Clarendon Heights	
	Bact. per cc.....	Bact. coli. com...	Bact. per cc.....	Bact. coli. com...	Bact. per cc.....	Bact. coli. com...	Bact. per cc.....	Bact. coli. com...	Bact. per cc.....	Bact. coli. com...
1908.										
July.....	216	Absent	1070	Absent	784	Absent	160	Absent	1038	Absent
August.....	364	Absent	616	Absent	504	Absent	144	Absent	490	Absent
September.....	434	Absent	750	Absent	130	Absent	504	Absent	280	Absent
October.....	{ 144	Absent	250	Absent	120	Absent	172	Absent	364	Absent
	{ 728	Absent	450	Absent	424	Absent	512	Absent	378	Absent
November.....	{ 68	Absent	604	Absent	118	Absent	112	Absent	183	Absent
	{ 130	Absent	700	Absent	616	Absent	980	Absent	400	Absent
December.....										
1909.										
January.....	1710	Absent	280	Absent	756	Absent	392	Absent	208	Absent
February.....	{ 194	Absent	184	Absent	300	Absent	630	Absent	114	Absent
	{ 532	Absent	374	Absent	308	Absent	278	Absent	560	Absent
	{ 112	Absent	182	Absent	196	Absent	224	Absent	210	Absent
March.....	252	Absent	546	Absent	700	Absent	448	Absent	470	Absent
									448	Absent
									560	Present
April.....	{ 196	Absent	252	Absent	490	Absent	210	Absent	150	Absent
	{ 280	Absent	24000	error	350	Absent	252	Absent	126	Absent
	{ 150	Absent	140	Absent	224	Absent	280	Absent	270	Absent
May.....	{ 252	Absent	1200	Absent	182	Absent	140	Absent	196	Absent
	{ 130	Present	350	Present	288	Absent	210	Absent	140	Absent
June.....	{ 280	1 pr. cc.	420	1 in 7 cc.	200	Absent	210	Absent	105	Absent

BACTERIOLOGICAL EXAMINATION OF MILK, JULY 1, 1908, TO JUNE
30, 1909.

No. of Samples containing less than 10,000 bacteria per cc.....	110
No. of Samples containing between 10,000 and 50,000 bact. per cc.....	360
No. of Samples containing between 50,000 and 100,000 bact. per cc.....	140
No. of Samples containing between 100,000 and 500,000 bact. per cc.....	170
No. of Samples containing between 500,000 and 1,000,000 bact. per cc.....	70
No. of Samples containing between 1,000,000 and 10,000,000 bact. per cc..	90
No. of Samples containing over 10,000,000 bact. per cc.....	30
Total	970

During the latter part of the current year, samples after collection have been immediately placed in portable ice safes and so transported to the Laboratory. Collection is made by means of sterilized dippers and glass stopped bottles, which are at once placed in sterilized copper covered cylinders.

City and County Hospital

City and County Hospital, San Francisco, July 1, 1909.

To the Honorable, the Board of Health.

Gentlemen:—I have the honor to submit in the following pages the report of the City and County Hospital for the fiscal year 1908-09.

Respectfully submitted,

WM. R. DORR,
Warden City and County Hospital.

RESIDENT STAFF.

W. R. Dorr, M. D., Warden.

Geo. M. Bradfield, M. D. Res. Phys.

HOUSE PHYSICIANS AND SURGEONS.

L. B. Barnes, M. D.

J. W. Callnon, M. D.

H. D. Brusio, M. D.

H. C. Johnson, M. D.

C. L. A. Rinker, M. D.

Marion G. Parsons, Supt. of Nurses.

G. J. Plato, Receiving Clerk and Secretary.

C. P. H. Clasby, Commissary Clerk
and Bookkeeper.

E. S. Nye, Hospital Steward.

Geo. Cadish, Chef.

VISITING STAFF.

Cooper Medical College—

Dr. J. O. Hirschfelder
Dr. Stanley Stillman
Dr. Wm. Ophuls
Dr. R. L. Rigdon
Dr. Frank P. Topping

Dr. J. Frankheimer
Dr. W. H. Winterberg
Dr. E. C. Dickson
Dr. Geo. B. Somers
Dr. R. E. Peck

Hahnemann Medical College—

Dr. T. C. McConkey
Dr. G. B. Garlick
Dr. R. F. Tomlinson
Dr. A. Minaker
Dr. Philip Rice

Dr. Guy E. Manning
Dr. E. R. Bryant
Dr. J. W. Ward
Dr. L. B. Hurd

College of Physicians and Surgeons—

Dr. Geo. Childs Macdonald
Dr. S. R. Dannenbaum
Dr. W. F. Southard
Dr. M. H. Etchverry
Dr. Winslow Anderson
Dr. Bertha Wagner Stark
Dr. Geo. Lee Eaton
Dr. C. A. Dukes
Dr. W. C. Pruett

Dr. Edw. Topham
Dr. Bertram Stone
Dr. B. N. Dow
Dr. Ethan H. Smith
Dr. A. Miles Taylor
Dr. C. E. French
Dr. W. S. Johnson
Dr. H. C. Hanley

San Francisco Polyclinic—

Dr. Chas. C. Levison
 Dr. Leo Newmark
 Dr. Henry J. Kreutzman
 Dr. Harold Brunn
 Dr. Jas. T. Watkins
 Dr. Gilbert M. Barrett
 Dr. M. Silverberg
 Dr. E. Schnell
 Dr. M. Cosgrove
 Dr. E. A. Victors
 Dr. H. L. Wagner
 Dr. J. J. Kingwell
 Dr. P. Campicher

Dr. J. Wilson Shiels
 Dr. Louis Bazet
 Dr. H. A. L. Ryfkogel
 Dr. F. B. Carpenter
 Dr. Louis Mace
 Dr. James B. Hannah
 Dr. Langley Porter
 Dr. H. E. Castle
 Dr. Florence Holsclaw
 Dr. L. D. Mead
 Dr. C. F. Welty
 Dr. T. G. Russell

Medical Department University of California—

Dr. Wm. Watt Kerr
 Dr. Wallace I. Terry
 Dr. Edgar Alexander
 Dr. Milton B. Lennon

Dr. Geo. E. Ebright
 Dr. Chas. Von Hoffman
 Dr. W. P. Beerman
 Dr. Paul Castlehuh

Contagious Ward—

Dr. L. Porter

Dr. Louis Maco

EXPLANATION OF STATISTICAL TABLES.

In the following pages will be found tables giving various information relative to the expenditures and patients treated in the Hospital during the past fiscal year.

It is unfortunate that hospitals have not adopted some uniform method of compiling and presenting their reports so that the different ones may be accurately compared.

The Presbyterian Hospital of New York has, however, established a uniform system of accounting for hospitals, which has been adopted by a large number of Eastern Hospitals and which we have followed in presenting our statement of expenses (table No. 1), so that our expenses may be compared accurately and in detail with many of the best hospitals of this country.

The movement of population (table No. 2) shows that we have treated an average of 354.58 a day.

Table No. 3 is a summary of part of table No. 4.

The Morbidity table (table No. 4) gives a large amount of information about all the cases that have been discharged or died during the year.

Table No. 5 shows the nativity of the foreign born patients that have been discharged or died during the year.

TUBERCULAR CASES.

During the year the proper housing and segregation of the large number of tubercular cases have been one of the most important difficulties that has been met at this Hospital. Besides the ward that had been previously reconstructed by the Associated Charities for 75 male cases, we have been compelled to partition off part of another ward for male cases and also part of another female ward for female cases. Even with these additions we have at times been compelled to refuse all cases except very far advanced ones on account of lack of accommodations. At the time of writing we have ample room, but we believe that when the rainy season sets in, unless more accommodations are provided,

that the same difficulties will be encountered as we have met during the past year. This matter has been presented to the Board of Supervisors and we are convinced that it will be properly adjusted before next winter so that we shall avoid our previous difficulties.

The proper treatment, including segregation and regulation of tubercular cases is, we believe, one of the most important and insistant needs of this community and must, in our opinion, lead to some stringent and far-reaching legislation before we can hope to diminish the number of cases in this City and State.

Our greatest difficulty with the cases here, outside of the proper housing and segregation, is the inability to keep them interested by giving them some employment suitable to their physical condition. Having nothing to do except eat, sleep and take their medicine, they naturally become dissatisfied with everything and are extremely hard to handle.

We also feel the need of having some place to send cases of arrested tuberculosis which, although not in physical condition to compete with normal men in the labor market, still are able to do something and would be much more contented doing something that would partly pay for their care. It has been suggested by visitors that a farm should be provided for this class of cases.

The Associated Charities have erected 14 tents for male tubercular cases and 3 tents for female tubercular cases, which have helped to relieve the situation, but they will not be habitable during the winter, which is the time we are most pressed for room for this class of cases.

ALCOHOLICS AND DRUG FIENDS.

As in the report for the last fiscal year, we would again call your attention to the need of being able to properly segregate acute and chronic alcoholics, epileptics, drug fiends and criminals in order to give them proper treatment. We believe that such cases should be put in a separate institution and should be kept there until cured.

SUPPLIES.

The system of inspection of food stuffs before delivery and the good character of the present contractors have resulted in our having very little trouble relative to the quality of goods received and have worked out very satisfactorily in everything except the delivery of eggs, with which we have had continual trouble.

The inauguration of a sample chest in which is kept a sample of all goods contracted for, the sample being furnished by the contractor at the time his bid is submitted, has been a great help in the receipt of goods.

TRAINING SCHOOLS.

On January 22, 1909, Miss J. R. Greenwood resigned as Superintendent of the Training School for Nurses, and Miss M. G. Parsons was appointed to fill the vacancy.

In the belief that all of the instruction and practical work to fit a nurse for private nursing could be given in a two years' course, the term of training in this school has been reduced to two years, exclusive of the probation period. We have, however, provided a subsequent course of one year to be devoted to training in institutional nursing, executive work and hospital economies and housekeeping.

In view of the undesirable class of men formerly obtained for the positions of orderlies we have established a Training School for Orderlies with a two years' course, and although this has been running a very short time we feel

very much encouraged by the better class of men we have been obtaining for these positions.

On account of the small number of pupil nurses in the school we have been compelled to employ 9 graduate nurses and we will probably be compelled to continue employing them until our course in hospital economies is thoroughly established. Even with the graduates employed we have only one nurse to every 15 patients, which is far below the standard considered correct for a hospital of this nature.

A detailed report of the Training Schools will be found appended.

LIBRARY.

We take pleasure in announcing that we have been able to start the nucleus for a reference library for Internes and Nurses. This has been a long-felt want, and we trust that during the next year it will be materially increased.

DIETS.

During the year considerable attention has been devoted to improvement in the feeding of the patients, which we have been enabled to do by increasing the money allowance for this department. The regulation of the service and preparation of diets has been placed in charge of a trained dietician, who has systematized this branch so that we are able to provide the patients with the following diets:

Liquid diet, soft diet, light diet, house diet, special diet for diabetics, etc.

The Dietician also instructs the nurses in the cooking laboratory, which has been equipped for this purpose, in practical cooking, setting up trays, etc., and gives lectures on dietetics.

Books showing the different diets for the guidance of the doctors have been prepared and can be found in each ward.

IMPROVEMENTS AND REPAIRS.

The part of building "K," which had been set aside for the treatment of infectious diseases, was found to be inadequate for the treatment of the large number of cases that we have during the winter and spring so that the remainder of the building was remodeled at an expense of about \$750.

This so far has given us sufficient accommodations and we believe will during the coming winter.

In order to supply more accommodations for nurses and orderlies two additional cottages (No 11 and No. 12) have been remodeled. In No. 11 one large room has been set aside and tastily furnished as a sitting room for the nurses. This has been done at a cost of \$520.

In order to provide proper quarters for female tubercular cases a part of the female ward was partitioned off, in which we now have 13 beds. We doubt very much whether this will be a sufficient number during the coming winter. This ward has a separate pantry and the patients are entirely shut off from the rest of the female cases. This was done at a cost of \$150.

In order to have a proper place for the preparation of vegetables and for pot-washing, a house 10x18 feet on the side of and connecting with the kitchen has been constructed. This has a concrete floor and hopper and has been a satisfactory and necessary addition. This cost \$125.

There are many other improvements and changes that would be desirable in the buildings and grounds. On account, however, of the comparatively short time that it is expected that the hospital will be located here, it does not appear that these changes would warrant the outlay of the necessary money.

ADMISSIONS.

The investigation of each patient admitted by the Inspector of Hospitals has helped in keeping out many cases that were not entitled to be cared for by this City and County, and we believe that the usefulness of this official will be enhanced each year.

In this connection it has been suggested that we should also establish a Social Service Department presided over by some one thoroughly familiar with the charitable organizations of this community to assist discharged and convalescent patients to obtain positions or to be looked after until thoroughly well. Besides this department would naturally have charge of the collection of the \$15 a month that the Supervisors have authorized the management of this Hospital to collect from all who are able to pay it.

This collection we believe will materially reduce the expense to the City of caring for the indigent sick during the year.

Social Service Departments have been established in many of the large Eastern Hospitals and have been found very useful in decreasing the length of the patients' stay in the hospitals.

IN MEMORIAM.

We regret to announce the death of Frank I. Kelly on March 9, 1909, who for many years had been connected with the Hospital as druggist and who had always worked faithfully and conscientiously for the welfare of the institution.

ACKNOWLEDGMENTS.

We wish to thank the following organizations and persons for the interest they have shown in the institution and for their donations:

Dr. J. B. Frankenheimer;
Hospital Committee, California Club;
Hospital Aid Association, California Club;
The Associated Charities;
First Christian Church Endeavor Society;
West Side Christian Church;
The Central Methodist Episcopal Church;
Swedish Lutheran Church;
Rev. D. O. Kelly;
Father Allen;
Father Cooper;
Father Simoni;
The Owl Drug Co;
Al. J. Martin, Fulton and Lyon streets;
Mrs. J. F. Merrill, 3201 Clay street;
C. Boardman, 1950 California street;
Mrs. Millers, 2210 Devisadero street;
Mrs. George Pages, 2613 Pacific avenue;
A. M. Davis, Emporium.
F. C. Heller & Co., 10 Kearny street;
Geo. Borgfeldt & Co., 770 Mission street;
Mrs. W. F. McNutt, 2429 Jackson street.

We also wish most sincerely to thank the New California Jockey Club for their many courtesies, and especially for their kindness in giving us the use of the buildings we now occupy.

SAN FRANCISCO TRAINING SCHOOL FOR NURSES.

The following is the report of the eighteenth year of the San Francisco Training School for Nurses:

	Remaining June 30, 1908	Entered	Graduated	Resigned	Dismissed	Remaining June 30, 1909	Special Course
Graduates	6	4	*13			10	†2
Third Year Pupils.	13					2	
Seniors	2	3				4	
Juniors		1		4	1	5	
Probationers	2	21		8	2	3	
Total	23	29	13	12	3	24	2

Instruction has been given in the following subjects during the year:

Anatomy and Physiology (1st class), 14 lectures; Dr. Bradfield.

Anatomy and Physiology (2d class), 18 lectures; Dr. Bradfield.

Contagion and Infection, 5 lectures; Dr. Dorr.

Surgery, 13 lectures; Dr. Bradfield.

Practical Nursing, 8 lessons; Miss Greenwood.

Obstetrics (lectures at S. F. Maternity); Dr. Adelaide Brown.

Cooking, 14 lessons; Miss Johnson.

Causes of Disease, 5 lectures; Dr. Dorr.

Chemistry, 5 lectures; Dr. Dorr.

Bacteriology, 5 lectures; Dr. Dorr.

Practical Nursing and Demonstrations, 14 lessons; Miss Parsons.

Fever Nursing, 10 lessons, Miss Parsons.

TRAINING SCHOOL FOR ORDERLIES.

The Training School for Orderlies was established May 1, 1909.

Five men were admitted during the month and one resigned.

The first class was formed May 24, 1909, with four pupils; since then instruction has been given in the classes as follows:

Anatomy and Physiology, 5 lessons and quizzes; Dr. Bradfield.

Practical Nursing, 5 lessons and demonstrations; Miss Parsons.

*Four pupils sent to Children's Hospital for a term of six weeks each.

†Pupils from other Training School admitted May 1, 1909, for three months' training in Operating Room.

TABLE

1908-09	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Administration—						
Salaries Officers and						
Clerks	\$ 445.00	\$ 364.00	\$ 344.00	\$ 340.00	\$ 341.00	\$ 345.00
Office Expense						
Miscellaneous	1.75	5.90	17.10		9.90	.75
Professional Care of						
Patients—						
Salaries—						
Physicians	200.00	200.00	232.00	240.00	240.00	240.00
Graduate Nurses	400.00	414.00	417.50	464.00	520.00	580.00
Pupil Nurses	171.00	162.80	144.15	113.20	100.35	150.00
Orderlies	372.65	403.65	320.75	326.35	395.65	348.35
Instruments						
Dispensary—						
Salaries	130.00	130.00	130.00	130.00	130.00	130.00
Surgical Supplies	165.48	177.68	177.37	190.06	181.37	62.59
Medical Supplies	578.64	491.43	476.80	411.82	638.34	680.27
Departments—						
Stable — Labor	165.00	165.00	165.00	165.00	165.00	165.00
Supplies	13.00	50.78	16.00	283.83	118.56	63.60
Housekeeping — Labor	160.55	174.35	164.65	198.35	209.35	180.65
Supplies	53.86	242.14	405.02	321.00	542.73	584.13
Kitchen — Labor	532.00	543.35	642.35	625.95	605.35	649.35
Supplies					5.75	18.20
Laundry — Labor						
Supplies				480.00		
Steward's Department—						
Labor	160.00	180.00	180.00	180.00	180.00	180.00
Supplies — Bread	200.47	228.00	236.68	253.72	229.15	255.29
Milk	502.20	517.05	544.72	585.90	648.00	669.60
Groceries	256.40	538.89	617.18	464.42	635.22	641.28
Butter and Eggs	594.28	595.74	717.38	714.76	749.30	676.63
Fruit and Vegetables	177.55	154.53	135.45	178.56	247.84	322.60
Meat and Fish	660.03	625.17	667.74	716.96	1,147.90	993.59
General House Expense—						
Labor	290.00	300.00	322.65	333.30	340.00	351.80
Coal and Gasoline	450.20	383.60	307.55	365.80	329.50	342.32
Coal Oil and Lighting						
Supplies	15.75		56.18	15.75	21.36	23.91
Ice	48.00	41.20	36.00	48.00	36.00	32.00
Maintenance of Grounds						
and Buildings—						
Labor	140.00	140.00	140.00	150.65	170.00	140.00
Supplies		63.42	25.26	92.11	45.17	166.31
Miscellaneous			45.00	4.00	12.90	
Total	\$6,883.81	\$7,292.63	\$7,684.48	\$8,393.49	\$8,995.69	\$8,993.22
Daily Av. No. Patients....	295.6	316.	328.6	339.7	358.1	369.6
Daily Av. No. Employees..	92.	95.	95.	97.	99.	103.
Total Maintained.....	387.6	411.	423.6	436.7	457.1	472.6
Daily Substist Exp. per						
Patients .....	.262	.271	.296	.276	.34	.31
Daily Substist Exp. per						
Person .....	.198	.208	.229	.215	.266	.243
Total Daily Exp. per						
Patient .....	.729	.742	.778	.796	.835	.785
Average Total Expense per Month.....						\$8,807.18
Average Number of Patients.....						354.58
Average Number of Employees.....						104.08

CITY AND COUNTY HOSPITAL

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NO. 1.

Jan.	Feb.	March.	April.	May.	June.	Total	Av. per Patient per Year.
\$ 366.65 .73	\$ 360.00 2.40	\$ 380.00 .95	\$ 387.00 2.05	\$ 391.65 .75 5.00	\$ 375.00 .75	\$ 4,439.30 6.70 41.35	\$ 12.52 .02 12
240.00	240.00	240.00	240.00	240.00	240.00	2,792.00	7.87
558.00	606.00	899.00	806.00	812.50	779.00	7,256.00	20.46
120.40	126.40	130.95	114.50	169.40	156.85	1,660.00	4.68
398.95	371.65	435.55	457.00	490.70	510.70	4,831.95	13.62
65.33						65.33	.18
130.00	130.00	130.00	130.00	130.00	130.00	1,560.00	4.40
138.11	78.91	151.47	74.37	65.17	107.32	1,569.90	4.43
615.32	545.64	756.79	833.05	812.04	646.47	7,486.61	21.12
165.00	165.00	165.00	165.00	165.00	165.00	1,980.00	5.58
252.12	107.25	34.72	242.48	69.80	231.20	1,483.34	4.18
268.65	291.35	376.10	377.80	227.85	304.95	2,934.60	8.28
449.00	621.06	796.11	459.84	369.78	237.06	5,081.73	14.33
564.85	542.00	537.75	560.00	657.20	561.95	7,022.10	19.80
2.35	36.00	34.26				96.56	.27
						480.00	1.33
196.00	180.00	180.00	190.00	211.00	190.00	2,207.00	6.22
257.50	235.06	263.41	236.95	247.60	228.76	2,872.59	8.10
679.72	650.70	753.30	729.00	753.30	729.00	7,762.49	21.89
507.53	522.04	568.76	649.98	479.49	616.82	6,498.01	18.33
631.43	775.64	934.14	959.19	1,054.33	1,032.94	9,435.76	26.61
180.45	237.88	228.69	227.88	296.78	248.32	2,636.53	7.44
1,076.41	993.59	981.78	1,125.94	803.07	849.63	10,642.61	30.01
320.00	323.35	309.00	280.00	312.85	324.30	3,807.25	10.73
364.35	360.90	450.85	457.40	584.15	664.31	5,060.93	14.27
23.91	62.57	15.75	15.75	15.75		266.68	.75
24.00	24.00	36.00	48.00	40.00	48.00	461.20	1.30
150.00	140.00	140.00	144.00	150.00	158.00	1,762.65	4.97
104.12	201.78	330.83	96.00	84.43	112.50	1,321.93	3.73
65.00	36.20					163.10	.46
\$8,915.90	\$8,967.37	\$10,261.16	\$10,009.18	\$9,640.39	\$9,648.83	\$105,686.20	\$298.00
369.54	381.	378.41	376.2	379.42	362.86		
104.	106.	114.	112.	116.	116.		
473.54	487.	492.41	488.2	495.42	478.86		
.29	.32	.317	.348	.309	.34		
.227	.263	.244	.268	.236	.257		
.778	.84	.874	.886	.819	.886		

Average Daily Subsistence Expense per Patient.....\$.306
 Average Daily Subsistence Expense per Person.....\$.237
 Average Total Daily Expense per Patient.....\$.804

TABLE NO. 4.
MORBIDITY STATISTICS OF PATIENTS DISCHARGED AND DIED DURING THE FISCAL YEAR 1908-1909.

DIAGNOSIS.	Grand Total...	Sex.		Condition on Discharge.				Nativity.				Civil State.			Race.			Age.				Total Days Treated.....
		Male.....	Female.....	Improved.....	Unimproved....	Cured.....	Died.....	San Francisco	Other Parts California	Other States...	Foreign.....	Married.....	Single.....	Widowed.....	White.....	Black.....	Yellow.....	—20.....	20 to 40.....	40 to 60.....	60—.....	
Abscess—	5	5		2	1	2			2	3	1	1	3	1	5			4	1			206
Axilla	1	1				1			1	1			1		1							18
Alveolar	1	1													1							48
Arm	1	1							1	1			1		1			1				31
Breast	1	1	1										1		1							11
Trunk	1	1											1		1							5
Cheek	1	1											1		1							95
Coccygeal region.....	1	1													1							14
Gluteal region.....	1	1											1		1							218
Ischio rectal region.....	6	6		2		1	1		1	5	2		4	1	6			1	1	1		138
Inguinal	1	1							1	1			2		3			1	1			127
Liver	1	1													1							46
Lung	1	1													1			1	1			118
Leg	1	1													1							18
Neck	1	1													1							7
Psoas	1	1													1							66
Peritonsillar	1	1													1							104
Perineum	1	1													1							104
Rectus Abdominis	1	1													1							137
Submaxillary region.....	1	1							1	6			6		7			5	2	1		9
Supraclavicular region.....	1	1													1			1	1			69
Scalp	1	1							1	1					2			2				74
Scalp Multiple	2	2			1					2					2							38
Thigh	2	2													1							20
Abrasion	2	2													2				2			94
Head and Scalp	1	1													1							23
Leg and Back.....	1	1													1							
Adenitis	2	2													2							
Inguinal	2	2							1	1					2			1				
Axilla	2	2													2							

CITY AND COUNTY HOSPITAL

MORBIDITY STATISTICS OF PATIENTS DISCHARGED AND DIED DURING THE FISCAL YEAR 1908-1909.—Continued.

DIAGNOSIS.	Grand Total..	Sex.		Condition on Discharge.				Nativity.				Civil State.			Race.			Age.				Total Days Treated.....
		Male.....	Female.....	Improved.....	Unimproved....	Cured.....	Died.....	San Francisco.	Other Parts California.....	Other States...	Foreign.....	Married.....	Single.....	Widowed.....	White.....	Black.....	Yellow.....	—20.....	20 to 40.....	40 to 60.....	60—.....	
Peritoneum	1	6	1	1			1				1	5	2	2	1		1		1	4	19	
Pylorus	1	6	1				1				1	5	2	2	1		1		1	4	166	
Palate, Hard and Soft.....	1	1																			105	
Rectum	4	4	1	1	3	4					3	1	2	2	5		1		2	5	78	
Stomach	6	6	4	1	1			2			1	1	1	1	5		1		1		336	
Uterus	1	2	1	2	1	1					1	2	1	1	2		1		1		59	
Tongue	2	2																			216	
Cataract	2																				135	
Cellulitis—																						
Arm	9	8	1	1	6	1		2	3	4	3	6	1	9		1		5	2	95		
Feet	3	3	1	1	2			1	1	2	1	1	1	3				1		45		
Cephalalgia	11	11	3	1	1			4	4	1	2	9	1	11				1		305		
Chancroid	3	3	1	1				2	2	1	2	1	1	3				1		179		
Cholangitis	4	4	1	1	2			2	2	1	2	2	2	3				1		110		
Cholecystitis	2	2						1	1	2	2	1	1	3				1		37		
Cholelithiasis	3	3	2	2		1		1	5	9	2	2	8	3				6	4	581		
Cirrhosis—Liver	15	9	4	3	1	1		1	2	2	2	2	5	15				3		20		
Condylomata—Lata	3	3	1	1	1	1		2			3	2	1	3				3	4	1011		
Conjunctivitis	10	9	1	6	2					4	1	5	3	10				1	1	150		
Colitis	4	4	2	2	1									1				1		46		
Constipation	3	3	1	1	1									1				1		1		
Contusion	48	33	14	3	31		1		27	40	6	25	17	48		1		7	11	763		
Cyst—																						
External Ear.....	1	1			1								1					1		22		
Dermoid	1	1			1		1			1		1		1				1		46		
"Nuck," Canal	1	1			1									1				1		19		
Ovarian	1	1		1	1						1			1				1		49		
Panovarian	1	1		1	1									1				1		35		
Cystitis	8	8	3	1	3					1		5	1	8				2		371		

MORBIDITY STATISTICS OF PATIENTS DISCHARGED AND DIED DURING THE FISCAL YEAR 1908-1909.—Continued.

DIAGNOSIS.	Sex.		Condition on Discharge.				Nativity.				Civil State.			Race.			Age.				Total Days Treated.....
	Male.....	Female.....	Improved.....	Unimproved.....	Cured.....	Died.....	San Francisco.	Other Parts California.....	Other States...	Foreign.....	Married.....	Single.....	Widowed.....	White.....	Black.....	Yellow.....	—20.....	20 to 40.....	40 to 60.....	60—.....	
Grand Total...	1	2	9	1	17	1		2	1	11	3	15		1			16	15	3		21
Fever, Paratyphoid	1				1																1077
Fever, Typhoid	18	12			26			13	8	5	3	20	3	26				9	1		310
Fever, Scarlet																					
Fever, Malarial	26		9		17	1	1	1	16		4	19	3	21	2		2	16	5	3	538
Estivo-Autumnal																					5
Pernicious																					11
Quotidian	2		1		1			5	10		2	8	5	11	1		2	9	5		340
Tertian	15		4		11			1													18
Fissure, Anal	1				1			1													3
Fistula, Anal	10	1	3	2	5			1	6		3	5	2	10			1	5	3		323
Fistula, Biliary	1																				8
Fistula, Urinary	1																				203
Fracture—	3				2	1			2	1		3		3				1	1		
Astragalus																					
Calcis	6		3		3		1	3	2		2	2	2	6			6				189
Clavicle	2		1		1			1						2			1				206
Femur	13	10	2	1	10		3	3	10		1	11	1	13			1	9	3		510
Femur, Neck	8	7	3		5			2	6		1	4	3	8			2	4			1072
Femur, Trocha	3	3	3								3			3							456
Fibula	2	1	1		1		1						1	2			1	1			173
Finger	2	1	1		2						2			2			1	6			237
Glenoid Scapula	5	2	1		2			2	3		2	5	2	7			1	3			36
Humerus	3	3	1		4			1	2		2	1		6							195
Ulna	6	1	2		4			3	1		2	1	3	6				3	2		341
Mandible	1																				41
Ulna and Radius	9				4						1	4	4	9			2	6			457
Metatarsals	1				1																86
Nasal Bones	1				1																307
Osceum	2				2						6			8				2			68
Osceum	1				1						2		1	2				1			32

MORBIDITY STATISTICS OF PATIENTS DISCHARGED AND DIED DURING THE FISCAL YEAR 1908-1909.—Continued.

DIAGNOSIS.	Sex.		Condition on Discharge.				Nativity.				Civil State.			Race.			Age.				Total Days Treated.....
	Male.....	Female.....	Improved.....	Unimproved.....	Cured.....	Died.....	San Francisco.	Other Parts California....	Other States....	Foreign.....	Married.....	Single.....	Widowed.....	White.....	Black.....	Yellow.....	20 to 40.....	40 to 60.....	60—.....		
Grand Total...	2	2	2	2	18	2		5	2	20	4	1	2	2	2		1	9	12	37	
Pneumonia—	38	37			18	18		2	13		2	32	2	36			3	12	1163		
Broncho	2	2															1			50	
Lobar																					
Pregnancy																					
Poisoning—	2	1				2															
Bichloride and Chloral.	1	1				1															
Proctitis	1	1				1															
Prostate-Hypertrophy	9	9	1	5	1	2		1			2	5	2	9			2	1	12	13	
Progressive Muscular Atrophy	1	1				1								1				2	6	219	
Rheumatism—																					
Articular	88	80	51	3	33	1	14	25	49	10	59	19	85	85	3		6	27	40	5073	
Gonorrheal	13	13	9	1	4		6	7	2	10	1	1	1	13			2	8	3	864	
Salpingitis	3	3	1		1		1	1	1	1	1	1	1	3				2	1	140	
Sarcoma—																					
Face	1	1				1				1	1									73	
Turbinated Bone	1	1			1			1					1					1		47	
Humerus	1	1				1					1									139	
Multiple	1	1				1														42	
Ilium	1	1				1				1										56	
Retro-Peritoneal	1	1				1														20	
Uterus	1	1				1														15	
Senility	13	8	5	3	5	5		8		1	1	2	10	13						1256	
Scabies	14	9	5	2	12		4	6	4	1	1	13	14	14						320	
Sciatica	10	9	1	1	1			3		2	1	5	4	10			4	3	5	691	
Septicemia	2	2				1											6	1		399	
Sinus—																					
Leg (One)	1	1																		34	
Spinal Sclerosis	3	1	1	2			2				2	1					1	1	1	556	

MORBIDITY STATISTICS OF PATIENTS DISCHARGED AND DIED DURING THE FISCAL YEAR 1908-1909.—Continued.

DIAGNOSIS.	Sex.		Condition on Discharge.				Nativity.				Civil State.		Race.			Age.				Total Days Treated.....	
	Male.....	Female.....	Improved.....	Unimproved.....	Cured.....	Died.....	San Francisco.	Other Parts California.	Other States.....	Foreign.....	Married.....	Single.....	Widowed.....	White.....	Black.....	Yellow.....	—20.....	20 to 40.....	40 to 60.....		60—.....
Ulcer—	3	3	2	1	1					3		3		3				1	1	1	217
Cornea	1	1								1		1		1				1	1	1	3
Rectal	1	1								1		1		1				3	3	3	160
Cheek (Rodent)	6	2	1	1	4					5	1	4	1	6				1	1	1	12
Foot	1		1							1		1		1				1	1	1	24
Thumb	1	1	1							1		1		1				1	1	1	206
Back	1	1	1							2		2		2				2	2	2	179
Thigh	1	3	3							33	6	36	14	54				31	31	11	3215
Amputation Stump	3	9	9	2	45					1		1		1				1	1	1	41
Legs	3	1								5	2	1	2	5				3	3	2	227
Undiagnosed	3	1								3	1	1	4	1				1	1	1	69
Uterus—	5	5	4	1	1					5	2	1	2	5				3	3	2	116
Subinvolution	1	1								1		1		1				1	1	1	64
Varicella	4	4	2	6						3	1	4	5	15				2	2	4	792
Varicocele	15	13	6	1	8					4	11	3	8	8				8	8	5	408
Varicose Veins	8	5																			
Whooping Cough	1	1																			
Ulcer—	1	1								1	1			1				1	1	1	15
Stomach	1	1																			
Duodenum	1	1																			
Wounds—	10	9	5	1	4					6		6	4	10				1	5	3	173
Scalp	10	10	1	1	9					4		7	3	10				4	4	4	192
Face	7	7	1	1	5					1		3	1	6				2	2	2	167
Neck	6	6	2	1	1					1		3	1	5				4	4	4	76
Chest	6	6	1	1	1					1		1	1	5				1	1	1	116
Arm	4	4	1	1	1					1		1	1	3				1	1	1	38
Hand	4	4	1	1	1					1		1	1	1				1	1	1	121
Knee	3	3	2	2	3					1		1	1	3				2	2	2	168
Leg	11	9	3	3	4					3		3	5	4				6	6	1	498
Foot	2	2	1							1		1	1	1				1	1	1	75
Head	2	2	1							1		1	1	1				1	1	1	47
Spine	1	1																			
Grand Total.....	2311	1928	800	252	824	435	23	351	688	1249	419	1420	472	2222	38	51	177	902	823	409	104674

NATIVITY OF FOREIGN BORN PATIENTS WHO HAVE BEEN DISCHARGED OR DIED DURING FISCAL YEAR 1908-09.

Australia	14	Korea	5
Austria	24	Martinique	1
Azores Islands.....	1	Mexico	25
Belgium	10	Montenegro	1
Canada	33	Malta	1
Central America.....	4	New Zealand.....	3
China	41	Newfoundland	3
Chili	5	Norway	26
Denmark	31	Nova Scotia	4
East Indies.....	2	Poland	1
Ecuador	1	Porto Rico.....	8
England	84	Peru	2
Finland	22	Portugal	8
France	30	Philippine Islands.....	7
Germany	197	Russia	23
Greece	31	Scotland	48
Guiana	1	Servia	1
Guam	2	South Africa.....	1
Holland	1	Spain	17
Hungary	3	Sweden	69
Iceland	1	Switzerland	20
Isle of Man.....	1	Turkey	4
Ireland	357	Wales	3
Italy	63		
Jamaica	1	Total	1249
Japan	8		

OCCUPATIONS OF PATIENTS WHO HAVE BEEN DISCHARGED OR DIED DURING THE FISCAL YEAR 1908-09.

Artist	1	Cabinet Makers.....	2
Agents	2	Coach Builder.....	1
Advertiser	1	Cigarette Maker.....	1
Actors	2	Druggist	1
Bookkeepers	2	Domestics	98
Brickmolder	1	Dishwashers	10
Bootblacks	4	Dancing Master.....	1
Bookbinders	3	Draughtsmen	2
Blacksmiths	17	Expressmen	3
Butchers	15	Elevator Operator.....	1
Brewers	2	Engineers	9
Boatbuilder	1	Engraver	1
Broommaker	1	Electrical Workers.....	3
Barbers	11	Factory Hands.....	2
Bakers	16	Furrier	1
Boatman	1	Farmers	5
Bricklayers	4	Firemen	18
Bartenders	29	Fishermen	5
Boilermakers	16	Florist	1
Ballplayer	1	Fruitmen	2
Bridgetender	1	Glue-maker	1
Bedmakers	2	Gardeners	10
Brakeman	1	Gas Workers.....	2
Brassworkers	2	Grain Broker.....	1
Canvasser	1	Grader	1
Compositor	1	Gasfitter	1
Cement Workers.....	7	Hotel Keepers.....	2
Coopers	6	Horseshoer	1
Coalpassers	2	Housewives	159
Cooks	101	Hackmen	5
Clerks	67	Hostlers	8
Carpenters	63	Hodcarriers.....	6
Civil Engineer.....	1	Housecleaners	3
Chauffeur	1	Hatters	2
Canmaker	1	Ironworkers	19
Coachman	1	Janitors	13
Candymaker	1	Jeweler	1
Cigarmaker	1	Jockey	1
Carriage Painter.....	1	Kitchen Hands.....	8
Confectioner	1	Linemen	2

Lathers	5	Shipwright	1
Lumberman	1	Salesmen	11
Laborers	581	Showmen	2
Locksmiths	2	Stevadores	23
Laundryworkers	12	Stewards	4
Laundress	1	Stationer	1
Liquor Dealer	1	Stablemen	13
Lithographer	1	Saleslady	1
Lodging House Keeper	1	Silversmiths	2
Longshoremen	13	Street Sweeper	1
Moulder	1	Shipwright	1
Mason	1	Steamfitter	1
Machinists	23	Sailmakers	2
Millwrights	2	Students	2
Miners	38	Sailors	68
Millmen	5	Stone Workers	9
Marketman	1	Sheet Metal Worker	1
Musicians	4	Sawyer	1
Motormen	4	Shipbuilders	5
Minors	101	Solicitors	3
Marine Firemen	6	Shipsalers	2
Melter	1	Shipcaulker	1
Messenger	1	Shoemakers	17
Nurses	9	Switchtender	1
Newspaperman	1	Storekeepers	2
Newsboy	1	Soapmaker	1
No Occupation	29	Stenographer	1
Optician	1	Tinsmiths	6
Packer	1	Teachers	2
Physicians	4	Teamsters	97
Piledrivers	2	Tailors	14
Printers	10	Typewriter Repairer	1
Propertyman	1	Telephone Operators	2
Pressman	1	Tile Setter	2
Paperhangers	2	Tanners	2
Plumbers	21	Telegraphers	2
Pantrymen	5	Upholsterer	1
Paver	1	Unascertained	82
Poet	1	Wheelwright	1
Painters	60	Wagonmakers	2
Porters	35	Wreckers	2
Patternmakers	4	Woodturners	4
Peddlers	13	Watchmaker	1
Plasterers	7	Waiters	55
Piano Mover	1	Watchmen	15
Policeman	1	Waitresses	6
Poultryman	1	Woolsorter	1
Picture Framer	1	Wretender	1
Pipe Cleaner	1	Wireworkers	2
Riggers	4	Well Borer	1
Restaurant Keeper	1		
Roofers	3	Total	2,311

LIST OF OPERATIONS PERFORMED DURING THE FISCAL YEAR 1908-09.

Head—		Axilla—	
Abscess, Scalp, Incision.....	2	Abscess, Incised.....	2
Adenectomy	1	Plexus, Brachial, Restoration..	1
Glioma, Aspirated.....	1	Wound, Gunshot, Explored.....	1
Lipoma, Excision.....	1	Abdomen—	
Meningocele, Aspiration.....	5	Adenectomy	3
Sarcoma, Scalp, Excision.....	1	Abscess, Incised.....	3
Scalp, Plastic Operation.....	1	Abscess, Hepatic, Incised.....	2
Scalp, Lacerated Wound.....	5	Appendectomy	19
Trephining	6	Adenectomy, Inguinal.....	3
Face—		Celio-Paracentesis	1
Abscesses, Face, Incision.....	9	Cholecystectomy	2
Abscess, Mandible, Incision.....	3	Cholecystotomy	1
Adenectomy	1	Cyst	1
Curettage, Mandible.....	1	Cystocele Operation.....	1
Carcinoma, Mandible, Excision	3	Colostomy	4
Carcinoma, Exsection.....	2	Drainage Tube Replaced.....	2
Chancre, Lip, Excision.....	1	Gastroenterostomy	3
Epiithelioma, Lip, Excision.....	1	Gastrostomy	1
Fractured Mandible, Wired.....	1	Hepatotomy	1
Fractured Mandible, Unwired..	5	Herniotomy, Inguinal.....	48
Mandible, Excision.....	2	Herniotomy, Femoral.....	1
Neecrosed Bone, Exsection.....	2	Herniotomy, Inguinal, Double..	1
Neurectomy, Supra Orbital.....	1	Herniotomy, Secondary	4
Nerve	1	Herniotomy, Umbilical.....	2
Osteosarcoma, Excision.....	2	Laparotomy, Exploratory.....	8
Plastic Operation	5	Nephropexy	1
Setting Mandible.....	3	Nephrorraphy	3
Sinus, Curretting.....	1	Nephrotomy	1
Skin Graft.....	1	Psoas Abscess, Incised.....	4
Tumor, Excision.....	1	Sutures, Abdominal, Removed..	1
Eye—		Pelvis—	
Cataract, Extraction.....	1	Cervix, Sutures Removed.....	1
Corneal Paracentesis.....	1	Colpoperineorrhaphy	1
Enucleation	5	Colporraphy	3
Eye Ball, Incision, Explora-	1	Currtement	18
tory	1	Cyst, Ovarian, Excised.....	1
Iridectomy	2	Hysteropexy	2
Ptosis, Plastic Operation.....	1	Lithotomy, Suprapubic.....	1
Nose—		Oophorosalphingectomy	3
Osteosarcoma, Exsection.....	1	Ovariotomy	1
Mouth—		Salpingectomy	3
Alveolar Abscess. Incision.....	1	Suspension, "Gilian's"	3
Throat—		Trachelorrhaphy	5
Adenoids, Exsection.....	1	Perineum—	
Pharyngeal, Incision.....	1	Abscess, Currtage.....	1
Tonsilectomy	6	Coccygectomy	2
Neck—		Fistula, Closing.....	1
Abscess, Incision.....	4	Perineorrhaphy	6
Adenectomy	14	Syringotomy	9
Carbuncle, Incision.....	4	(Anus) (Rectum)—	
Carcinoma, Excision.....	1	Ano-Abdominal Proctectomy....	1
Larynx Carcinoma, Exsection..	1	Fistula, Anal.....	2
Skin Graft.....	1	Hemorrhoidectomy	12
Tracheotomy	2	Proctectomy	2
Plastic Work	1	Stricture Operation.....	1
Ear—		Genitals—	
External, Plastic Operation.....	1	Circumcision	10
Mastoid Cells, Exsection.....	3	Cystectomy	1
Chest—		Cystoscopy	4
Aspiration	1	Cystotomy, Suprapubic.....	3
Carcinoma, Exsection.....	3	Glands, Bubo, Exsected.....	8
Empyema, Curettage.....	1	Hydrocele, Plastic Operation..	7
Empyema, Resection.....	5	Orchidectomy	3
Sarcoma, "Colley's Fluid".....	1	Penis, Amputated.....	3
Shoulder Wound, Currettd.....	1	Penis, Sinus, Incised.....	1
Wound, Incised, Explored.....	2	Prostatectomy	1
Back—		Scrotum, Abscess, Incised.....	3
Abscess, Incised.....	3	Urethra, Dilatation.....	3
Leiomyoma, Exsected.....	1	Urethrotomy, External.....	7
Sinus, Tubercular, Incised.....	2	Urethrotomy, Internal.....	1
		Urethra Vesical Fistula, Closed	1
		Varicocele	7

Hip—					
Abscess, Incised.....	2	Phlegmon, Incised.....	1		
Abscess, Incised, "Bismuthed".....	1	Plastic Operation.....	1		
Adhesions, Joint, Broken up....	1	Skin Graft.....	18		
Amputation, Hip Joint.....	1	Tibia, Curettage.....	6		
Lipoma, Excised.....	1	Tibia, Osteoclasis.....	1		
Sarcoma, Excised.....	1	Ulcer, Curettage.....	5		
Sequestrectomy.....	2	Varicotomy.....	21		
Tubercular, Plaster.....	1	Wounds, Denuding, Suturing....	1		
Thigh—		Foot—			
Amputation.....	2	Amputation.....	2		
Femur, Stapling.....	1	Astragalus, Curettage.....	1		
Femur, Tubercular, Curette- ment.....	2	Hallux Valgus Operation.....	1		
Femur, Osteomyelitis, Excised.....	1	Infection, Incised.....	6		
Tumor, Excised, in part.....	1	Metatarsal, Excised.....	1		
Wound, Old, Curetted.....	1	Tenotomy.....	3		
Knee—		Toes, Amputation.....	6		
Abscess, Incised.....	3	Toe Nails, Evulsed.....	1		
Adhesions, Broken up.....	2	Shoulder—			
Arthrotomy.....	1	Amputation.....	1		
Aspiration.....	1	Arthrotomy.....	2		
Joint, Resection.....	2	Dislocation, Incised.....	2		
Patella, Sutured.....	2	Dislocation, Reduction.....	2		
Tubercular, Incised.....	1	Incision, Draining.....	2		
Leg—		Sinus, Draining.....	1		
Abscess, Aspiration.....	1	Arm—			
Abscess, Incised.....	8	Arm-bend, Vessels Ligated.....	1		
Amputation.....	9	Arthrotomy, Elbow Joint.....	2		
Amputation, Secondard "Stump".....	6	Elbow Curettage.....	1		
Anastomosis, Veins.....	4	Humerus Head, Excised.....	1		
Cellulitis, Curetting.....	2	Phlegmon, Incised.....	2		
Fracture, Anaesthesia.....	2	Radius Head, Excised.....	2		
Fracture, Unwiring.....	2	Wrist, Needle Extraction.....	1		
Fracture, Plaster Cast Replaced	2	Hand—			
Gangrenous, Dressed, Cleansed	1	Bullet Extracted.....	1		
Necrosed Bone, Exsection.....	1	Finger Amputation.....	2		
Sinus, Incised.....	1	Hand, Infected, Dressed.....	2		
		Phlegmon, Incised.....	3		
		Wound, Curetted.....	1		
		Total.....	581		

REPORT OF THE INSPECTOR OF HOSPITALS FOR FISCAL YEAR ENDING JUNE, 1909.

	1908						1909						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
No. of Cases applying for Hos- pital care and Relief Home.....	340	272	288	285	259	358	336	284	372	353	324	256	3697
No. of Cases Refused.....	98	97	77	65	72	102	95	72	84	78	71	54	963
No. of Cases sent to private Hospitals as City Cases.....	50	31	44	84	62	102	92	72	107	88	73	70	876
No. of Cases sent to City and County Hospital, Ingleside.....	116	113	127	180	85	110	96	104	130	140	132	100	1333
No. of Cases referred to So- cieties.....	15	20	13	12	16	31	19	17	17	12	13	7	190
No. of Cases referred to Relief Home.....	31	25	35	56	41	14	55	36	54	47	71	32	524
No. of Visits Made.....	53	67	67		90	89	90	77	87	84	75	73	854

Report of Relief Home

San Francisco, August 1, 1909.

To the Honorable Board of Health, City.

Gentlemen:—I have the honor to submit the following report of the Relief Home for the fiscal year 1908-1909:

The appropriation for the maintenance of the Relief Home for the fiscal year amounted to \$165,000, all of which was spent, and in addition to this sum we used approximately \$10,000 of Relief stores. This would make the cost appear to be .363 per day per inmate. However, there is a considerable reduction to be made from these figures. We did the laundry work for the City and County and the Central Emergency Hospitals. With the City and County Hospital we had an agreement that they were to pay us the sum of \$350.00 per month, and the Central Emergency the sum of \$100.00 per month. The latter has been collected, but owing to the financial condition of the City and County Hospital we have not collected this sum during the year.

We also spent \$4,800 in permanent improvements and \$3,846.50 in equipment, which is not a proper charge against the per capita charge. Deducting these amounts, the daily per capita cost is about 33 1-3 cents daily—this sum including food, clothing, bedding, hospital expenses and salaries.

A rule that compels every man and woman, unless excused by the Doctors, to do a small amount of work brings about four hundred men out every morning. These are divided into different classes as Janitors and Wardmen, Farmers, Gardeners, Roadworkers, Firemen, Carpenters, Plumbers, Concretemen, Blacksmiths and Horseshoers, Wagonmakers, Stablemen, Quarrymen, etc.

CONSTRUCTION.

During the year we built with inmate labor a glass hot-house, a five-room bungalow as a residence for the Farmer, one and one-half miles of fence, a reinforced concrete cow barn of thirty-six stalls equipped with all the modern sanitary appliances. This barn, 33x100, we believe to be the best built dairy building in Central California. The total cost was under \$2,000.

A reinforced concrete addition to the Butcher Shop is nearly completed. This will be used for cold storage. An appropriation has just been made by the Board of Supervisors to install in same ice and refrigerating machinery.

Every winter for many years the flume carrying off the water coming down the west slope of Twin Peaks has washed out. This winter the two-inch planks were completely carried away. We are now building a large ditch lined with large rock well grouted with cement, which should last years.

Work has just commenced on a concrete building, 35x70, to be used as work shops. This building will have eight rooms for Tailors, Shoemakers, Tinner, Glazier, Paint Shop, etc. It will be entirely fireproof, the roof being of tile.

The opening up of a quarry and the installation of a rock crusher enabled us to undertake the construction of the above concrete buildings.

This form of construction is cheaper under our conditions than wood. Rock, sand and labor on the ground without cost.

The new Infirmary building, which will be used as a Hospital for chronic cases, is well under way and should be finished by January 1st, 1910.

This building will accommodate about 250 patients. It is of reinforced concrete and fireproof throughout.

The installation of a Lathe, Drillpress, Jig Saw and Circular Saw in our Machine Shop has effected a considerable saving, enabling us to make all small repairs to machinery, wagons, etc.

During the year we installed a new 5,000 gallon oil storage tank, a 42 x 96 copper washing machine in our laundry, and a rock crusher. We also purchased 1,000 feet new fire hose. This fall we plan to erect a four room bungalow, new chicken houses of sanitary construction, and an addition to the stable to accommodate six horses.

ENTERTAINMENTS

We have had many entertainments during the year which were thoroughly enjoyed by the inmates, and I would take this opportunity of thanking the following institutions, etc., for the pleasure they brought to our people: "The Helpers"; St. Vincent de Paul Society, St. Patrick's Parish, St. Joseph's Parish, Sacred Heart Parish, Holy Cross Parish; Catholic Ladies' Aid Society; Catholic Ladies' Aid Society—Junior; Miss Lorine Allen; Epworth League; League of the Cross Band; El Vesperto Parlor, N. D. G. W.; Polytechnic High School.

The purchase at Christmas time of a moving picture machine has added a great deal to the pleasure of the old people, and is the most popular form of entertainment.

RECOMMENDATIONS

I would strongly recommend that land immediately adjoining us on the east be purchased from the Sutro estate. This purchase would connect us with the City's holdings on Twin Peaks and add a large tract of pasture and tillable land to the Relief Home and enable us to maintain sufficient cows to supply all milk needed in the Institution. At present we are milking twenty-four cows and are buying twelve cans milk daily.

That part of the Relief Home site lying west of the Laguna Honda road is of very little value to us, owing to its inaccessibility. As homes are building all around this land its sale would bring in a sum large enough to purchase the land suggested above.

During the latter part of the fiscal year I commenced the collection of \$15 monthly from relatives of inmates who are able to contribute to the support of same, and entered claims against estates, etc., amounting to nearly \$3,000, all of which, I believe, will be paid to the City.

ADMISSIONS

Total number of inmates in Relief Home July 1, 1908.....	1,193	
Total number of males admitted during last twelve months.....	544	
Total number of females admitted during last twelve months.....	272	
Total number of admissions during last twelve months.....	816	816
Total		2,009

RELIEF HOME

DISCHARGES

Number of inmates discharged at own request.....	399
Number of inmates discharged for cause.....	11
Number of inmates sent to City and County Hospital.....	34
Number of inmates sent before Insanity Commissioners.....	12
Number of inmates left without permission.....	11
Number of inmates who overstayed pass.....	117
Number of inmates who died	154
Total	738
Remaining in Relief Home July 1, 1909.....	1,271

SOCIAL CONDITION OF INMATES.

Single	580
Married	95
Widowed	590
Divorced	6
.....	1,271

RACE OF INMATES IN HOME.

Caucasian	1,254
Mongolian	6
Ethiopian	11
.....	1,271

RELIGION OF INMATES.

Agnostic	2	Jewish	1
Atheist	2	No Belief	95
Catholics	724	Protestant	435
Free Thinkers.....	3	Mohammedan	1
Greek Church.....	1	Theosophist	1
Heathen	6		
Total			1,271

BY WHOSE ORDER ADMITTED.

By Board of Health.....	1,100
By Superintendent of City and County Hospital.....	75
By Superintendent of Relief Home.....	9
By Mayors of City and County of San Francisco.....	10
By Relief Committee.....	77
Total	1,271
Average number of officers and employees during 12 months.....	

AGES OF INMATES IN HOME.

From 20 to 30.....	7	From 60 to 70.....	470
From 30 to 40.....	28	From 70 to 80.....	351
From 40 to 50.....	97	From 80 to 90.....	75
From 50 to 60.....	240	From 90 to 100.....	3
Total			1,271

NUMBER OF TIMES ADMITTED AND READMITTED.

First time.....	760	Eleventh time.....	1
Second time.....	300	Twelfth time.....	2
Third time.....	110	Thirteenth time.....	3
Fourth time.....	50	Fourteenth time.....	1
Fifth time.....	18	Fifteenth time.....	1
Sixth time.....	5	Sixteenth time.....	1
Seventh time.....	10	Seventeenth time.....	1
Eighth time.....	5	Eighteenth time.....	1
Ninth time.....	1	Nineteenth time.....	1
Tenth time.....	1		
Total			1,271

The lowest number of inmates recorded for any one day was 1,159, on September 3, 1908.

The highest number of inmates recorded for any one day was 1,325, on February 27, 1909.

NATIVITY OF INMATES IN HOME.

California	35	Missouri	1
Connecticut	3	Nebraska	2
Delaware	1	New Hampshire	5
Florida	2	New Jersey	5
Georgia	1	New York	80
Illinois	10	Ohio	20
Indiana	5	Pennsylvania	15
Iowa	2	Philippines	2
Kentucky	7	Rhode Island	5
Long Island	1	South Carolina	2
Louisiana	10	Tennessee	1
Maine	10	Texas	1
Maryland	5	Vermont	2
Massachusetts	50	Virginia	8
Michigan	4	Washington	5
Minnesota	1	Wisconsin	1
Mississippi	2		
Total			304

FOREIGN.

Australia	2	Japan	1
Austria	12	Mexico	10
Belgium	2	Norway	15
Canada	20	Poland	1
China	5	Portugal	3
Denmark	12	Russia	2
East Indies	1	Scotland	27
England	70	Servia	1
Finland	1	South America	2
France	38	Spain	1
Germany	165	Sumatra	1
Greece	2	Sweden	25
Holland	2	Switzerland	25
India	2	Wales	7
Ireland	500	West Indies.....	1
Italy	11		
Total			1,271

OCCUPATION OF INMATES.

Agents	5	Lumbermen	2
Artist	1	Marble Cutter	2
Assayer	3	Machinists	11
Baker	15	Marine Firemen	6
Barber	5	Merchant	6
Bedmaker	1	Metalworker	2
Blacksmith	16	Mill Hand	1
Bookbinder	1	Miller	2
Bookkeeper	5	Millwright	2
Boilermakers	6	Milliner	3
Bricklayer	8	Miner	34
Brickmaker	1	Molder	10
Boatman	2	Musicians	7
Bartender	5	Motorman	1
Brass Finisher	2	None	60
Brewers	3	Nurse	10
Butchers	8	Orderly	2
Bottler	1	Painter	15
Cabinetmaker	1	Parasolmaker	1
Candymakers	2	Patternmaker	1
Cardreader	1	Peddler	10
Carriagemaker	1	Plasterers	5
Canvassers	3	Plumbers	7
Cement Workers	5	Porter	10
Cigar Dealers	2	Poultry Dealer	1
Carpenters	31	Printer	2
Civil Engineer	1	Preacher	1
Clerks	32	Purser	1
Cloakmaker	1	Railroad Fireman	1
Collector	1	Roofer	1
Cooks	51	Sailor	27
Cooper	1	Sailmaker	1
Dentist	1	Seamstresses	12
Domestic	65	Searcher of Records	1
Druggist	1	Sawyer	2
Dressmaker	15	Sash and Doormaker	1
Draughtsman	0	Saloon Keeper	3
Engineers	5	Ship Builder	3
Engravers	2	Ship Driller	1
Elevatorman	1	Ship Joiner	1
Fishermen	12	Ship Caulker	3
Farmer	16	Ship Captain	2
Fruit Dealer	1	Silver Plater	1
Florist	1	Shoe Dealer	3
Gardeners	10	Shoe Fitter	1
Glass Blower	1	Shoemaker	13
Hack Driver	5	Smelter	1
Harnessmaker	4	Solicitor	2
Hairdresser	1	Shirtmaker	1
Hatter	2	Storekeeper	6
Hog Rancher	1	Tailor	7
Horse Trainer	1	Tanner	5
Hostler	3	Teacher	2
Housemover	1	Teamster	25
Housewife	124	Tailoress	5
Instrument Repairer	1	Tinsmith	3
Ironworker	1	Trunkmakers	2
Janitor	2	Upholsterers	2
Jeweler	3	Vulcanizer	1
Kitchen Helper	20	Waiter	27
Laundrymen	7	Wagonmakers	5
Laundresses	7	Watchmaker	3
Laborers	318	Watchman	5
Lawyer	1	Weaver	1
Leatherworker	1	Woodturner	1
Locksmith	1	Weighter	0
Longshoreman	15	Warehouseman	1
Lodging-House Keeper	2	Writer	1

Total1,271

Physical condition of inmates of Relief Home is as follows:

Number of males totally blind.....	41
Number of females totally blind.....	8
Number of males bedridden.....	26
Number of females bedridden.....	37
Number of males crippled.....	163
Number of females crippled.....	91
Number of males able to work.....	400
Number of females able to work.....	103
Number of males convalescent.....	9
Number of females convalescent.....	17
Number of males mentally incompetent.....	53
Number of females mentally incompetent.....	7
Number of males old and infirm.....	353
Number of females old and infirm.....	234

REPORT OF HOSPITAL DEPARTMENT.

	Male Ward	Female Ward	Bldg. No. 3	Bldg. No. 4	In Seeds	Other Hosps.	Total
Average No. of Patients per Day.....	39	50					89
Total No. Admitted during year.....	389	160					549
Total No. Discharged during Year.....	311	136					447
Total No. of Deaths during year.....	69	24	45	11	3	2	154
Total No. Treated in Clinic during Year.....	6814	3000					9814
Total No. Electrical Treatments.....	262	933					1195
Total No. Surgical Dressings.....	7130	1664					8794
Total No. Prescriptions Compounded.....							7172

It will be seen from report of the physical condition of inmates that:

No. of inmates able to attend to their own wants..... 503

No. of inmates unable to attend to their own wants..... 768

With only fourteen nurses, matrons and steward in the employ of this Institution, one person must attend to eighty-five patients.

TAILORING DEPARTMENT (Inmate Labor).

Men's Coats Repaired	260
Men's Vests Repaired	154
Men's Pants Repaired	356
Men's Shirts Repaired	14
Carpenter's Apron Made.....	1
Total	785

SHOE REPAIRING DEPARTMENT (Inmate Labor).

Men's Shoes Repaired.....	1,032
Women's Shoes Repaired.....	203
Total	1,235

SEWING-ROOM.

Men's Caps	90
Women's Underclothing	694
Pillowslips	687
Sheets	609
Towels	197
Screens, Bed	10
Table Cloths	6
Aprons	646
Waiters' Aprons	96
Bandages	48
Shrouds	145
Curtains	175
Dresses	304
Total	3,707

FARM REPORT.

Production of—

Potatoes	1,400 sacks
Carrots	287 sacks
Beets	67 sacks
Turnips	256 sacks
Onions	60 sacks
Parsnips	54 sacks
Cabbage	36,000 lbs.
Forage	16 tons

In addition to above we raised sufficient lettuce, leeks, garlic and other garden truck to supply our wants.

All land suitable is under cultivation and two-thirds of the vegetables used are grown on the grounds. Twenty-five acres more land, as suggested in another part of this report, would supply all our wants and soon pay for itself.

LIVE STOCK.

On hand June 30th, 1909—

Horses	29
Fillies (6 months)	2
Mule colt	1
Bulls	2
Cows	30
Calves	7
Pigs	51

During the year we received 8 horses from the Fire Department; 3 died and 4 were sold by the Mayor. We purchased 12 cows and condemned and killed 5. There were 31 calves born, 24 being killed for veal; 37 pigs were killed during the year for pork and lard.

LAUNDRY WORK DONE.

For Relief Home average pieces done for one month.....	26,605
Emergency Hospital average pieces done for one month.....	6,749

City and County Hospital—	Flat Pieces	Nurses' Pieces
January	22,865	2,867
February	22,988	3,030
March	23,784	3,486
April	25,861	3,760
May	24,884	4,080
June	28,783	3,226
July	15,590	2,609
August	17,978	2,210
September	19,963	2,929
October	26,328	3,136
November	25,364	2,737
December	26,749	3,464
Total	281,156	37,534

RELIEF HOME EXPENSES FROM JULY 1, 1908, TO JULY 1, 1909.

Meat and Poultry.....	\$ 20,870.03
Groceries	27,418.23
Ice	476.24
Fish	1,567.45
Dry Goods, Clothing, etc.....	5,816.11
Tobacco	2,077.57
Drugs	1,110.28
Vegetables and Fruit.....	2,574.81
Liquors	2,645.98
Repairs to Engines.....	63.36
Engine Supplies.....	989.06
Vehicles and Harness—	
Vehicles	544.80
Harness	126.93
Repairs of Vehicles and Harness.....	549.58
Stable	7,487.64
Horseshoeing	471.25
Fuel	13,966.47
Tools and Hardware.....	2,095.16
Crockery and Utensils.....	306.24
Laundry Supplies.....	967.71
Laundry Repairs.....	307.94
Printing	10.50
Milk	3,140.90
Cows and Pigs.....	413.17
Petty Expenses.....	176.68
Seed	287.19
Sundries	2,692.00
Paint	585.04
Lumber	891.04
Salaries	64,193.19
Total	\$164,922.60

Cost of Food for One Year	\$56,047.71
Cost of Food for One Month	4,670.64
Cost of Food for One Day	155.69
Cost of Food for One Inmate for one day.....	.123
Cost of Dry Goods, Clothing, etc., for One Year	\$ 5,816.11
Cost of Dry Goods, Clothing, etc., for One month	484.68
Cost of Dry Goods, Clothing, etc., for One Day	16.15
Cost of Dry Goods, Clothing, etc., for One Inmate for One Day.....	.012

RELIEF HOME EXPENSES FOR ONE DAY.

Meat and Poultry.....	\$ 57.97
Groceries	76.16
Ice	1.32
Fish	4.35
Dry Goods, etc.	16.17
Tobacco	5.77
Drugs	3.08
Vegetables and Fruit	7.15
Liquors.....	7.35
Repairs of Engines .....	.176
Engine Supplies	2.74
Vehicles and Harness	1.86
Repairs of Vehicles and Harness.....	1.52
Stable	20.79
Horseshoeing	1.31
Fuel	38.79
Tools and Hardware	5.82
Crockery and Utensils .....	.85
Laundry Supplies	2.67
Laundry Repairs .....	.85
Printing .....	.026
Milk	8.72
Cows and Pigs	1.42
Petty Expenses.....	.49
Seed .....	.79
Sundries	7.567
Paint	1.62
Lumber	2.47
Salaries	178.31
Total	<u>\$458.100</u>

RELIEF HOME

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EXPENDITURES, JULY 1st, 1908, TO DECEMBER 31st, 1908.

	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Meat and Poultry.....	\$ 1,570.77	\$ 1,488.95	\$ 1,491.00	\$ 1,879.04	\$ 1,889.26	\$ 2,255.34
Groceries.....	1,330.15	1,697.43	1,908.00	1,516.71	2,488.35	2,719.37
Ice.....	18.00	48.00	48.00	48.00	48.00	49.20
Fish.....	154.50	123.60	117.39	159.65	121.60	123.98
Dry Goods.....	77.29	169.82	487.88	837.68	560.04	638.47
Tobacco.....	104.70	.....	69.80	149.16	221.39	221.40
Drugs.....	23.98	114.58	82.71	96.19	79.25	122.60
Vegetables and Fruit.....	54.88	81.99	63.55	81.00	289.15	345.66
Liquors.....	.....	.....	19.61	.....	226.31	337.82
Repairs to Engines.....	1.50	.....	15.65	.....	12.35	.....
Engine Supplies.....	.....	100.22	105.00	.....	164.77	87.14
Vehicles and Harness.....	.....	.....	.....	49.86	33.20	15.91
Repair of Vehicles and Harness.....	156.25	4.00	73.25	544.80	33.20	56.05
Stable.....	233.81	895.95	553.52	33.65	45.20	978.58
Horseshoeing.....	17.50	25.00	35.00	609.56	473.64	.....
Fuel.....	1,006.30	.....	992.25	40.00	25.00	65.00
Tools and Hardware.....	22.38	927.03	992.25	1,089.90	1,039.70	1,234.50
Crockery and Utensils.....	14.85	39.75	66.14	320.90	208.43	199.36
Laundry Supplies.....	45.54	9.15	4.25	68.35	93.05	.....
Laundry Repairs.....	.....	86.11	277.50	114.56	119.89	110.34
Printing.....	.....	10.50	.....	.....	1.84	28.60
Milk.....	251.10	251.10	243.00	251.00	283.50	292.95
Cow and Pigs.....	.....	.....	.....	.....	.....	.....
Petty Expenses.....	3.35	4.40	11.45	9.30	18.75	20.65
Seed.....	.....	.....	13.55	30.00	15.50	.....
Paint.....	.....	66.03	104.21	32.64	102.58	37.22
Lumber.....	.....	.....	.....	65.02	.....	85.83
Sundries.....	38.50	128.16	112.06	202.85	148.19	228.85
Salaries.....	5,160.00	5,212.14	5,235.50	5,403.35	5,412.35	5,294.00
Total.....	\$10,285.35	\$11,478.56	\$12,216.58	\$13,633.77	\$14,121.29	\$15,546.82

RELIEF HOME

EXPENDITURES, JANUARY 1st, 1909, TO JUNE 30th, 1909.

	Jan.	Feb.	March.	April.	May.	June
Meat and Poultry.....	\$ 1,614.70	\$ 1,579.12	\$ 1,690.98	\$ 2,073.28	\$ 1,683.09	\$ 1,654.55
Groceries, etc.	2,765.05	2,587.99	2,611.44	2,137.49	2,872.69	2,783.56
Ice	25.20	48.00	24.00	47.24	48.00	24.00
Fish	64.15	126.50	135.50	169.38	135.50	135.50
Dry Goods, etc.	970.08	482.22	417.51	413.37	561.82	201.93
Tobacco	260.30	165.38	221.40	226.13	218.96	218.95
Drugs	113.44	108.14	69.19	79.96	157.23	63.01
Vegetables and Fruit.....	224.56	327.89	322.34	304.90	279.11	199.78
Liquors	366.68	352.19	339.58	338.89	341.00	323.90
Repairs to Engines.....	7.15	6.88		7.80	9.36	2.67
Engine Supplies.....	68.29	33.49	107.10	69.14	152.54	51.21
Vehicles and Harness.....	21.00	33.22	29.43	4.17		
Repair of Vehicles and Harness.....	43.30	20.55	5.20	4.55	36.19	9.09
Stable	860.68	483.72	484.31	563.35	529.83	818.36
Horseshoeing	51.25	32.50	41.25	51.25	43.00	42.50
Fuel	1,586.38	1,338.84	1,373.60	1,354.33	1,202.68	920.96
Crockery and Utensils.....	10.80	15.74	42.00		48.05	
Tools and Hardware.....	201.11	210.69	84.36	440.38	261.38	40.28
Laundry Supplies.....	182.93	46.45	13.40	86.20	55.53	26.00
Laundry Repairs						
Printing						
Milk	292.95	238.95	251.10	274.05	292.95	218.25
Cows and Pigs			190.00		323.17	
Petty Expenses	15.40	30.65	15.25	23.79	19.09	4.60
Seed	24.50	114.49	72.35	16.80		
Sundries	139.10	108.98	182.90	663.36	197.05	532.00
Paint	73.76	14.33	11.84	54.63	64.84	22.96
Lumber	87.61	21.00	473.39	118.49	39.70	
Salaries	5,298.65	5,324.95	5,368.95	5,478.20	5,525.35	5,479.75
Total	\$15,361.02	\$13,742.86	\$14,588.57	\$15,003.86	\$15,150.11	\$13,793.81

Trusting that the foregoing report meets with the approval of the Honorable Board, I am,

Very respectfully,

C. M. WOLLENBERG,
Superintendent.

Report of Emergency Hospitals

San Francisco, July 15th, 1909.

To the Honorable Board of Health, City and County of San Francisco, Cal.

Gentlemen:—I have the honor to submit to your Honorable Board the annual report of the Emergency Hospitals, including the Central, Harbor, Mission, Potrero and Detention Hospitals and the Park Emergency Ambulance Station, enumerating the cases treated in each hospital, their disposition, also the number of Ambulance calls responded to during the fiscal year ending June, 1909.

Since the last annual report was rendered the new Mission Emergency Hospital has been opened and is fully equipped for emergency work. This hospital, located at Twenty-third and Potrero Avenue, is but a temporary one. as provision has been made in the plans of the San Francisco Hospital for a permanent Emergency Hospital. For the three months, April, May and June, 1909, there has been a total of 415 cases treated at the Mission Emergency Hospital and there is every reason to believe that the hospital fills a gap in the chain of Emergency Hospitals.

Respectfully,

WALLACE I. TERRY, M. D.,
Chief Surgeon, Emergency Hospitals.

EMERGENCY HOSPITALS

CENTRAL HOSPITAL.

Number of Patients Remaining in Hospital June 30th, 1908.....	5
Number of Patients Admitted During Fiscal Year 1908-1909.....	8,950
Total	8,955

DISPOSITION OF PATIENTS.

Discharged (sent home)	4,899
Transferred to Central Police Station.....	252
Transferred to Bush Street Police Station.....	102
Transferred to Southern Police Station.....	69
Transferred to Mission Police Station.....	64
Transferred to O'Farrell Police Station.....	6
Transferred to North End Police Station.....	4
Transferred to Detention Hospital	63
Transferred to Isolation Hospital	10
Transferred to C. and C. Relief Home.....	641
Transferred to C. and C. Hospital.....	1,819
Transferred to U. S. Marine Hospital.....	19
Transferred to U. S. General Hospital.....	14
Transferred to St. Francis Hospital	34
Transferred to St. Mary's Hospital	32
Transferred to St. Luke's Hospital	24
Transferred to St. Joseph's Hospital	25
Transferred to St. Thomas' Hospital	15
Transferred to St. Winifred Hospital	3
Transferred to Lane Hospital	265
Transferred to University of California Hospital.....	194
Transferred to Hahnemann Hospital	166
Transferred to Trinity Hospital	4
Transferred to German Hospital	19
Transferred to French Hospital	16
Transferred to Mt. Zion Hospital	10
Transferred to Children's Hospital	2
Transferred to Clara Barton Hospital	3
Transferred to McNutt Hospital	2
Transferred to Union Iron Works Hospital.....	1
Transferred to Buena Vista Hospital.....	2
Transferred to Providence Hospital	1
Transferred to Home Sanitorium	5
Transferred to Japanese Hospital	4
Transferred to Morgue (dead on arrival).....	37
Transferred to Morgue (died in hospital).....	127
Total	8,953
Number of Patients remaining in Hospital June 30th, 1909.....	2

CENTRAL HOSPITAL.

1908—

July. Number of Surgical Cases Treated.....	490	
Number of Medical Cases Treated	244	
Total	—	734
Number of Emergency Ambulance Calls.....	136	
Number of Transfer Ambulance Calls.....	13	
Total	—	149

EMERGENCY HOSPITALS

109

Aug.	Number of Surgical Cases Treated.....	469	
	Number of Medical Cases Treated.....	243	
	Total	—	712
	Number of Emergency Ambulance Calls.....	125	
Sept.	Number of Transfer Ambulance Calls.....	10	
	Total	—	135
	Number of Surgical Cases Treated.....	487	
	Number of Medical Cases Treated.....	237	
Oct.	Total	—	744
	Number of Emergency Ambulance Calls.....	111	
	Number of Transfer Ambulance Calls.....	12	
	Total	—	123
Nov.	Number of Surgical Cases Treated.....	583	
	Number of Medical Cases Treated.....	297	
	Total	—	880
	Number of Emergency Ambulance Calls.....	140	
Dec.	Number of Transfer Ambulance Calls.....	21	
	Total	—	161
	Number of Surgical Cases Treated.....	466	
	Number of Medical Cases Treated.....	242	
1909—	Total	—	708
	Number of Emergency Ambulance Calls.....	124	
	Number of Transfer Calls	25	
	Total	—	149
Jan.	Number of Surgical Cases Treated.....	570	
	Number of Medical Cases Treated.....	252	
	Total	—	822
	Number of Emergency Ambulance Calls.....	158	
1909—	Number of Transfer Ambulance Calls.....	32	
	Total	—	190
	Number of Surgical Cases Treated.....	492	
	Number of Medical Cases Treated.....	243	
Feb.	Total	—	735
	Number of Emergency Ambulance Calls.....	128	
	Number of Transfer Ambulance Calls.....	29	
	Total	—	157
Mar.	Number of Surgical Cases Treated.....	462	
	Number of Medical Cases Treated.....	253	
	Total	—	715
	Number of Emergency Ambulance Calls.....	139	
April.	Number of Transfer Ambulance Calls.....	22	
	Total	—	161
	Number of Surgical Cases Treated.....	519	
	Number of Medical Cases Treated.....	247	
May.	Total	—	766
	Number of Emergency Ambulance Calls.....	136	
	Number of Transfer Ambulance Calls.....	27	
	Total	—	163
June.	Number of Surgical Cases Treated.....	477	
	Number of Medical Cases Treated.....	275	
	Total	—	752
	Number of Emergency Ambulance Calls.....	142	
July.	Number of Transfer Ambulance Calls.....	11	
	Total	—	153
	Number of Surgical Cases Treated.....	469	
	Number of Medical Cases Treated.....	243	
Aug.	Total	—	712
	Number of Emergency Ambulance Calls.....	125	
	Number of Transfer Ambulance Calls.....	10	
	Total	—	135
Sept.	Number of Surgical Cases Treated.....	487	
	Number of Medical Cases Treated.....	237	
	Total	—	744
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	Number of Medical Cases Treated.....	297	
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	Number of Emergency Ambulance Calls.....	140	
	Number of Transfer Ambulance Calls.....	21	
	Total	—	161
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	Number of Medical Cases Treated.....	242	
	Total	—	708
	Number of Emergency Ambulance Calls.....	124	
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	Total	—	149
	Number of Surgical Cases Treated.....	570	
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	Total	—	190
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	Number of Medical Cases Treated.....	243	
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	Number of Surgical Cases Treated.....	462	
	Number of Medical Cases Treated.....	253	
April.	Total	—	715
	Number of Emergency Ambulance Calls.....	139	
	Number of Transfer Ambulance Calls.....	22	
	Total	—	161
May.	Number of Surgical Cases Treated.....	519	
	Number of Medical Cases Treated.....	247	
	Total	—	766
	Number of Emergency Ambulance Calls.....	136	
June.	Number of Transfer Ambulance Calls.....	27	
	Total	—	163
	Number of Surgical Cases Treated.....	477	
	Number of Medical Cases Treated.....	275	
July.	Total	—	752
	Number of Emergency Ambulance Calls.....	142	
	Number of Transfer Ambulance Calls.....	11	
	Total	—	153

EMERGENCY HOSPITALS

May.	Number of Surgical Cases Treated.....	403	
	Number of Medical Cases Treated.....	351	
	Total	—	754
	Number of Emergency Ambulance Calls.....	123	
	Number of Transfer Ambulance Calls.....	19	
	Total	—	142
June.	Number of Surgical Cases Treated.....	446	
	Number of Medical Cases Treated.....	188	
	Total	—	634
	Number of Emergency Ambulance Calls.....	139	
	Number of Transfer Ambulance Calls.....	18	
	Total	—	157

HARBOR HOSPITAL.

Number of Patients admitted during fiscal year 1908-1909..... 4,987

DISPOSITION OF PATIENTS.

Discharged (sent home).....	4,547
Transferred to Harbor Police Station.....	147
Transferred to Central Police Station.....	6
Transferred to Southern Police Station.....	7
Transferred to Central Emergency Hospital.....	164
Transferred to Detention Hospital	7
Transferred to U. S. Marine Hospital	20
Transferred to St. Francis Hospital.....	4
Transferred to St. Luke's Hospital	3
Transferred to St. Mary's Hospital	4
Transferred to St. Joseph's Hospital	11
Transferred to St. Thomas' Hospital	1
Transferred to Hahnemann Hospital	1
Transferred to German Hospital	12
Transferred to French Hospital	4
Transferred to Lane Hospital	3
Transferred to Mt. Zion Hospital	3
Transferred to Mt. Nutt Hospital	3
Transferred to Clara Barton Hospital	1
Transferred to Trinity Hospital	1
Transferred to Buena Vista Sanatorium	2
Transferred to Home Sanitorium	1
Transferred to Morgue (dead on arrival).....	9
Transferred to Morgue (died in hospital).....	21
Total	4,987

HARBOR HOSPITAL.

1908—			
July.	Number of Surgical Cases Treated.....	387	
	Number of Medical Cases Treated.....	31	
	Total	—	418
	Number of Emergency Ambulance Calls.....	49	
	Number of Transfer Ambulance Calls.....	7	
	Total	—	56

EMERGENCY HOSPITALS

111

Aug.	Number of Surgical Cases Treated.....	411	
	Number of Medical Cases Treated.....	45	
	Total	—	456
	Number of Emergency Ambulance Calls.....	50	
	Number of Transfer Ambulance Calls.....	8	
	Total	—	58
Sept.	Number of Surgical Cases Treated.....	391	
	Number of Medical Cases Treated.....	40	
	Total	—	431
	Number of Emergency Ambulance Calls.....	54	
	Number of Transfer Calls	14	
	Total	—	68
Oct.	Number of Surgical Cases Treated.....	354	
	Number of Medical Cases Treated.....	57	
	Total	—	411
	Number of Emergency Ambulance Calls.....	53	
	Number of Transfer Ambulance Calls.....	7	
	Total	—	60
Nov.	Number of Surgical Cases Treated.....	335	
	Number of Medical Cases Treated.....	40	
	Total	—	375
	Number of Emergency Ambulance Calls.....	51	
	Number of Transfer Ambulance Calls.....	9	
	Total	—	60
Dec.	Number of Surgical Cases Treated.....	422	
	Number of Medical Cases Treated.....	16	
	Total	—	438
	Number of Emergency Ambulance Calls.....	65	
	Number of Transfer Ambulance Calls.....	15	
	Total	—	80
1909—			
Jan.	Number of Surgical Cases Treated.....	320	
	Number of Medical Cases Treated.....	7	
	Total	—	327
	Number of Emergency Ambulance Calls.....	43	
	Number of Transfer Ambulance Calls.....	13	
	Total	—	56
Feb.	Number of Surgical Cases Treated.....	312	
	Number of Medical Cases Treated.....	5	
	Total	—	317
	Number of Emergency Ambulance Calls.....	55	
	Number of Transfer Ambulance Calls.....	11	
	Total	—	66
Mar.	Number of Surgical Cases Treated.....	375	
	Number of Medical Cases Treated.....	38	
	Total	—	411
	Number of Emergency Ambulance Calls.....	53	
	Number of Transfer Ambulance Calls.....	16	
	Total	—	69
April.	Number of Surgical Cases Treated.....	428	
	Number of Medical Cases Treated.....	53	
	Total	—	481
	Number of Emergency Ambulance Calls.....	62	
	Number of Transfer Ambulance Calls.....	17	
	Total	—	79

EMERGENCY HOSPITALS

May.	Number of Surgical Cases Treated.....	432	
	Number of Medical Cases Treated.....	42	
	Total	—	474
	Number of Emergency Ambulance Calls.....	51	
	Number of Transfer Ambulance Calls.....	30	
	Total	—	81
June.	Number of Surgical Cases Treated.....	419	
	Number of Medical Cases Treated.....	29	
	Total	—	448
	Number of Emergency Ambulance Calls.....	49	
	Number of Transfer Ambulance Calls.....	18	
	Total	—	67

MISSION HOSPITAL.

Number of Patients Admitted from April 1, 1909, to June 30, 1909.....	415
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DISPOSITION OF PATIENTS.

Discharged (sent home).....	337
Transferred to Mission Police Station.....	27
Transferred to Central Hospital	36
Transferred to Detention Hospital	1
Transferred to St. Luke's Hospital	5
Transferred to St. Francis Hospital	1
Transferred to St. Mary's Hospital	1
Transferred to St. Joseph's Hospital	1
Transferred to Memorial Hospital	1
Transferred to St. Catherine's Home.....	1
Transferred to Morgue (dead on arrival).....	3
Transferred to Morgue (died in hospital).....	1
Total	415

1909—

April.	Number of Surgical Cases Treated.....	105	
	Number of Medical Cases Treated.....	27	
	Total	—	132
	Number of Emergency Ambulance Calls.....	32	
	Number of Transfer Ambulance Calls.....	21	
	Total	—	53
May.	Number of Surgical Cases Treated.....	114	
	Number of Medical Cases Treated.....	13	
	Total	—	127
	Number of Emergency Ambulance Calls.....	38	
	Number of Transfer Ambulance Calls.....	22	
	Total	—	60
June.	Number of Surgical Cases Treated.....	145	
	Number of Medical Cases Treated.....	11	
	Total	—	156
	Number of Emergency Ambulance Calls.....	26	
	Number of Transfer Ambulance Calls.....	21	
	Total	—	47

POTRERO HOSPITAL.

Number of Patients Admitted During Fiscal Year 1903-1909.....	2,548
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EMERGENCY HOSPITALS

113

DISPOSITION OF PATIENTS.

Discharged (sent home).....	2,413	
Transferred to Potrero Police Station.....	13	
Transferred to Central Emergency Hospital.....	85	
Transferred to City and County Hospital.....	2	
Transferred to Union Iron Works Hospital.....	15	
Transferred to St. Francis Hospital.....	2	
Transferred to St. Mary's Hospital.....	1	
Transferred to St. Luke's Hospital.....	1	
Transferred to Lane Hospital.....	1	
Transferred to United States Marine Hospital.....	2	
Transferred to German Hospital.....	1	
Transferred to French Hospital.....	1	
Transferred to Southern Pacific Hospital.....	1	
Transferred to Dr. Morton's Hospital.....	2	
Transferred to Morgue (dead on arrival).....	7	
Transferred to Morgue (died in hospital).....	1	
Total	2,548	
1908—		
July. Number of Surgical Cases Treated.....	151	
Number of Medical Cases Treated.....	12	
Total	—	163
Number of Emergency Ambulance Calls.....	10	
Number of Transfer Ambulance Calls.....	10	
Total	—	20
Aug. Number of Surgical Cases Treated.....	164	
Number of Medical Cases Treated.....	10	
Total	—	174
Number of Emergency Ambulance Calls.....	15	
Number of Transfer Ambulance Calls.....	5	
Total	—	20
Sept. Number of Surgical Cases Treated.....	188	
Number of Medical Cases Treated.....	17	
Total	—	205
Number of Emergency Ambulance Calls.....	16	
Number of Transfer Ambulance Calls.....	8	
Total	—	24
Oct. Number of Surgical Cases Treated.....	189	
Number of Medical Cases Treated.....	13	
Total	—	207
Number of Emergency Ambulance Calls.....	24	
Number of Transfer Ambulance Calls.....	5	
Total	—	29
Nov. Number of Surgical Cases Treated.....	158	
Number of Medical Cases Treated.....	3	
Total	—	161
Number of Emergency Ambulance Calls.....	17	
Number of Transfer Ambulance Calls.....	8	
Total	—	25
Dec. Number of Surgical Cases Treated.....	223	
Number of Medical Cases Treated.....	38	
Total	—	261
Number of Emergency Ambulance Calls.....	15	
Number of Transfer Ambulance Calls.....	19	
Total	—	34

EMERGENCY HOSPITALS

1909—

Jan.	Number of Surgical Cases Treated.....	199	
	Number of Medical Cases Treated.....	6	
	Total	205	
	Number of Emergency Ambulance Calls.....	12	
	Number of Transfer Ambulance Calls.....	16	
	Total	28	
Feb.	Number of Surgical Cases Treated.....	212	
	Number of Medical Cases Treated.....	3	
	Total	215	
	Number of Emergency Ambulance Calls.....	11	
	Number of Transfer Ambulance Calls.....	5	
	Total	16	
Mar.	Number of Surgical Cases Treated.....	170	
	Number of Medical Cases Treated.....	33	
	Total	203	
	Number of Emergency Ambulance Calls.....	19	
	Number of Transfer Ambulance Calls.....	12	
	Total	31	
April.	Number of Surgical Cases Treated.....	262	
	Number of Medical Cases Treated.....	39	
	Total	301	
	Number of Emergency Ambulance Calls.....	23	
	Number of Transfer Ambulance Calls.....	8	
	Total	31	
May.	Number of Surgical Cases Treated.....	191	
	Number of Medical Cases Treated.....	20	
	Total	211	
	Number of Emergency Ambulance Calls.....	8	
	Number of Transfer Ambulance Calls.....	7	
	Total	15	
June.	Number of Surgical Cases Treated.....	230	
	Number of Medical Cases Treated.....	12	
	Total	242	
	Number of Emergency Ambulance Calls.....	12	
	Number of Transfer Ambulance Calls.....	6	
	Total	18	

PARK AMBULANCE STATION.

Number of Patients Admitted During Fiscal Year 1908-1909.....	902
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DISPOSITION OF PATIENTS.

Discharged (sent home).....	810
Transferred to Park Police Station.....	5
Transferred to Central Emergency Hospital.....	78
Transferred to University of California Hospital.....	2
Transferred to Relief Home	1
Transferred to St. Francis Hospital	3
Transferred to St. Mary's Hospital	1
Transferred to Morgue (died in hospital).....	2
Total	902

EMERGENCY HOSPITALS

115

1908—

July.	Number of Surgical Cases Treated.....	57	
	Number of Medical Cases Treated.....	3	
	Total	60	
	Number of Emergency Ambulance Calls.....	10	
	Number of Transfer Ambulance Calls.....	10	
	Total	20	
Aug.	Number of Surgical Cases Treated.....	48	
	Number of Medical Cases Treated.....	9	
	Total	57	
	Number of Emergency Ambulance Calls.....	26	
	Number of Transfer Ambulance Calls.....	2	
	Total	28	
Sept.	Number of Surgical Cases Treated.....	47	
	Number of Medical Cases Treated.....	6	
	Total	53	
	Number of Emergency Ambulance Calls.....	22	
	Number of Transfer Ambulance Calls.....	8	
	Total	30	
Oct.	Number of Surgical Cases Treated.....	61	
	Number of Medical Cases Treated.....	5	
	Total	66	
	Number of Emergency Ambulance Calls.....	28	
	Number of Transfer Ambulance Calls.....	21	
	Total	49	
Nov.	Number of Surgical Cases Treated.....	44	
	Number of Medical Cases Treated.....	3	
	Total	47	
	Number of Emergency Ambulance Calls.....	16	
	Number of Transfer Ambulance Calls.....	10	
	Total	26	
Dec.	Number of Surgical Cases Treated.....	37	
	Number of Medical Cases Treated.....	2	
	Total	39	
	Number of Emergency Ambulance Calls.....	19	
	Number of Transfer Ambulance Calls.....	15	
	Total	34	

1909—

Jan.	Number of Surgical Cases Treated.....	34	
	Number of Medical Cases Treated.....	6	
	Total	40	
	Number of Emergency Ambulance Calls.....	16	
	Number of Transfer Ambulance Calls.....	26	
	Total	42	
Feb.	Number of Surgical Cases Treated.....	58	
	Number of Medical Cases Treated.....	1	
	Total	59	
	Number of Emergency Ambulance Calls.....	17	
	Number of Transfer Ambulance Calls.....	9	
	Total	26	
Mar.	Number of Surgical Cases Treated.....	82	
	Number of Medical Cases Treated.....	10	
	Total	92	
	Number of Emergency Ambulance Calls.....	23	
	Number of Transfer Ambulance Calls.....	13	
	Total	41	

EMERGENCY HOSPITALS

April.	Number of Surgical Cases Treated.....	92	
	Number of Medical Cases Treated.....	17	
	Total		109
	Number of Emergency Ambulance Calls.....	31	
	Number of Transfer Ambulance Calls.....	23	
	Total		54
May.	Number of Surgical Cases Treated.....	140	
	Number of Medical Cases Treated.....	13	
	Total		153
	Number of Emergency Ambulance Calls.....	38	
	Number of Transfer Ambulance Calls.....	13	
	Total		51
June.	Number of Surgical Cases Treated.....	112	
	Number of Medical Cases Treated.....	15	
	Total		127
	Number of Emergency Ambulance Calls.....	35	
	Number of Transfer Ambulance Calls.....	4	
	Total		39

DETENTION HOSPITAL.

Number of Patients Admitted During Fiscal Year 1908-1909.....	679
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DISPOSITION OF PATIENTS.

Discharged (sent home).....	224
Committed to Mendocino State Hospital.....	132
Committed to Stockton State Hospital.....	96
Committed to Napa State Hospital.....	169
Committed to Agnews State Hospital.....	2
Committed to Sonoma State Home.....	19
Transferred to City and County Hospital.....	14
Transferred to Central Emergency Hospital.....	3
Transferred to C. and C. Relief Home.....	3
Transferred to U. S. General Hospital.....	1
Returned to County Jail	7
Returned to City Prison	6
Transferred to Morgue (died in hospital).....	3
Total	679

RECAPITULATION.

CENTRAL HOSPITAL.

Number of Surgical Cases Treated.....	5,858	
Number of Medical Cases Treated.....	3,092	
Total		8,950
Number of Emergency Ambulance Calls.....	1,581	
Number of Transfer Ambulance Calls.....	239	
Total		1,820

HARBOR HOSPITAL.

Number of Surgical Cases Treated.....	4,584	
Number of Medical Cases Treated.....	403	
Total		4,987
Number of Emergency Ambulance Calls.....	635	
Number of Transfer Ambulance Calls.....	165	
Total		800

MISSION HOSPITAL.

Number of Surgical Cases Treated.....	364	
Number of Medical Cases Treated.....	51	
Total		415
Number of Emergency Ambulance Calls.....	96	
Number of Transfer Ambulance Calls.....	64	
Total		160

POTRERO HOSPITAL.

Number of Surgical Cases Treated.....	2,335	
Number of Medical Cases Treated.....	213	
Total		2,548
Number of Emergency Ambulance Calls.....	182	
Number of Transfer Ambulance Calls.....	109	
Total		291

PARK AMBULANCE STATION.

Number of Surgical Cases Treated.....	812	
Number of Medical Cases Treated.....	90	
Total		902
Number of Emergency Ambulance Calls.....	281	
Number of Transfer Ambulance Calls.....	159	
Total		440

DETENTION HOSPITAL.

Number of Insane Patients Committed.....	418	
Number of Insane Patients Dismissed.....	258	
Number of Insane Patients Died	3	
Total		679
<hr/>		
Total Number of Surgical Cases Treated.....	13,953	
Total Number of Medical Cases Treated.....	3,849	
Total Number of Insane Cases Examined.....	679	
Grand Total		18,481
Total Number of Emergency Ambulance Calls.....	2,775	
Total Number of Transfer Ambulance Calls.....	736	
Grand Total		3,511

FINANCIAL STATEMENT.

1908-1909.

Appropriation for maintenance for the fiscal year 1908-1909.....	\$12,000.00
Expenditure for maintenance during fiscal year 1908-1909.....	11,894.85
Surplus on hand June 30th, 1909.....	\$ 105.15
Appropriation for salaries for the fiscal year 1908-1909.....	\$38,795.00
Expenditure for salaries during fiscal year 1908-1909.....	38,785.55
Surplus on hand June 30th, 1909.....	\$ 9.45

ITEMIZED STATEMENT OF EXPENDITURES FOR MAINTENANCE.

1. Subsistence	\$ 1,186.45
2. Surgical Supplies, Dressings, Drugs, etc.....	1,984.11
3. Surgical Instruments, Appliances, Apparatus, and Instrument Repairs	527.34
4. Linen, Bedding and Furniture.....	936.99
5. Alcohol and Liquors.....	375.61
6. Kitchen Utensils, Hardware, etc.....	82.29
7. Stationery	6.74
8. Laundry Material, Express, etc.....	1,267.59
9. Rent for Potrero Hospital and Stable and Central Stable.....	1,545.00
10. Veterinary Service	63.50
11. Stable Supplies, Appliances, Harness Repairs, and Scavenger Service	666.24
12. Hay and Grain.....	1,575.17
13. Horseshoeing	704.50
14. New Horse	275.00
15. Ambulance Repairs	698.32
Total	\$11,894.85

Report of Isolation Hospital

San Francisco, July 5, 1909.

Dr. R. G. Brodrick, Health Officer, San Francisco.

Dear Sir:—I beg leave to submit the following report for the fiscal year ending June 30th, 1909:

LEPER DEPARTMENT.

Number on hand, year ending June 30, 1908.....	17
Number admitted, year ending June 30, 1909.....	3
Number escaped, year ending June 30, 1909.....	1
Number of deaths, year ending June 30, 1909.....	3
Number remaining, year ending June 30, 1909.....	16

It is with pleasure that I have to report that the combining of the three institutions, viz: the plague, smallpox and leper, under one general management, has been productive of an increased efficiency in caring for the patients of this institution.

I would again call your attention to the fact in the past year we have been compelled to receive two lepers who should have been the charges of the community from which they came. One patient (a Chinaman) came to this City from Madera, California, a town that he has resided in for years; the other, a Hawaiian, who claims to have been living in Oakland for three years prior to his admission.

When one stops to consider that this disease is active but for a certain time and then remains, as it were, latent, and that in many cases it does not shorten life, the average duration of life being about eleven years, during all of which time the man is a charge on this community, it would appear to me to be but a simple act of justice to return these people from whence they came.

Article 3, General Regulations, of the Treasury Department, states:

"Lepers may be accepted for transportation under proper supervision, when en route to a seaport for deportation; also for transportation to a designated place for care and treatment, with the necessary consent of the proper health authorities, provided proper sanitary precautions are enforced with regard to the leper en route to destination."

From this then I would judge that the Department has power to re-ship these people back to their homes.

A close study of the objections urged by property owners to this institution being maintained at its present location on the ground that it is a menace to the health of those in the neighborhood shows their fears are groundless.

Leprosy has been designated as, and is, a disease of semi-civilization. When a leper has been introduced into a community made up of semi-civilized people the advance of the disease can readily be traced among them, but where civilization prevails to its highest degree, lepers have been admitted and no bad results have followed therefrom. For example, it is a well known fact that no increase followed the introduction of a large number of Norwegian lepers in Minnesota. Again, in the large centers of Europe lepers have been, and are, used for the purpose of clinical instruction and no attempt at segregation of them is made. The nearest approach to the disease developing in California that I am familiar with is that of "S. J." (a negro), a United States soldier, in

whom the disease manifested itself after his return from the Philippines, where he had been on duty but for a short period of six months. Prior to his going to the Islands the man had never left the United States.

No change has been noted in the treatment of these cases. Nastin has proved worthless.

The gift of six oak, leather cushion, Morris chairs by the Board of Supervisors to the inmates of this institution was one that was greatly appreciated by them and added much to their comfort.

SMALLPOX DEPARTMENT.

Number on hand, year ending June 30, 1908.....	5
Number admitted, year ending June 30, 1909.....	101
Number discharged, year ending June 30, 1909.....	103
Number escaped, year ending June 30, 1909.....	1
Number of deaths, year ending June 30, 1909.....	1
Number of diagnostic visits, year ending June 30, 1909.....	665
Number remaining, year ending June 30, 1909.....	1

The new Smallpox Hospital was formerly opened on June 21st, 1909, by Mayor Taylor and President Ophuls of the Board of Health, and for a week prior to its occupancy was open for inspection by the Medical profession and the Hospital Authorities of the City. It is built in the shape of the letter "E" with a southerly exposure. The lower long bar represents the two wards for male patients, the middle bar is the administration building, while the upper long bar represents the women's ward.

This building fulfills in many ways the modern ideas of sanitarians in the care of infectious diseases like smallpox. Normally the capacity is fifty patients. The administration is entirely separate from the wards, so that the business of the institution may be conducted with entire safety to the community.

As erected the place admits of the complete segregation of the sexes. Liberal provision in the shape of private rooms has been made for the care of children where they can be placed in charge of their parents and thus prevented from annoying adults who may be here. Two thousand (2,000) cubic feet represents the area to each bed; this permits of our doubling our capacity without the slightest embarrassment. The building is heated by hot water radiators, is lighted by electricity, and cooking is done on a gas range, thus diminishing to a very marked degree the danger of fire. A modern steam laundry forms part of the equipment. Every aperture of the place has permanent wire net mesh screens so that the danger of insects entering the place is a remote one.

I think, withal, the Department may pride itself upon possessing an institution the equal to any in the West.

It would be well in the construction of municipal hospitals, that the wishes of the Department of Public Health be paramount and that they should not be at the mercy of a subsidiary portion of another department whose knowledge of hospitals is undoubtedly deficient. Many features of this place are undesirable, and as time goes on their undesirability becomes more apparent, and had the original ideas of the representatives of the Health Department been carried out all these would have been obviated.

It will be a matter of but a very short time until the grounds about the institution will be covered by cement or bitumen, which will permit of their being washed down.

The same remarks made in regard to the Leper Department being considered by some as a menace to the health of the community will apply to the Smallpox.

The general trend of opinion of medical scientists is that smallpox is due to a germ that, as yet, has not been isolated. The theory of aerial convection is not, to my mind, tenable. If one were to draw a series of circles on the City map, having the Hospital for a central point and the circumference of the circles from a quarter to one mile and then take the residences of the patients, they would find in no case can the infection be traced to the Hospital. No more admirably adapted situation for an institution of this kind is to be found in this peninsula. With the exception of one dwelling the nearest habitation is four blocks away, and there is every evidence to prove that the place will never be a residential district. Fresh air and sunshine are the best germicides with which to combat any disease, and it is very evident that the danger of infection to those in this vicinity is reduced to a minimum.

PLAGUE DEPARTMENT.

Number on hand, year ending June 30, 1908.....	0
Number admitted, year ending June 30, 1909 (suspect).....	1
Number discharged, year ending June 30, 1909.....	1
Number of necropsies, year ending June 30, 1909.....	22
Number remaining, year ending June 30, 1909.....	0

Respectfully submitted,

ARTHUR A. O'NEILL, M. D.
Chief Surgeon.

Report of City Physician

	Totals	1908 July	Aug.	Sept.	Oct.	Nov.	Dec.	1909 Jan.	Feb.	Mar.	April	May	June
Hospitals Inspected.....	53	5	6	9	7	4	2	4	6	4	4	0	2
Special Visits.....	80	10	11	9	5	1	1	7	7	10	9	6	4
†Total No. of Vaccinations.....	2938	192	206	174	145	364	260	338	503	266	177	190	123
Patients in Prison.....	2373	212	173	139	101	277	261	220	333	211	149	208	89
Visits to Prisoners.....	172	17	15	13	15	16	13	17	11	12	12	16	15
***Patients in Jails.....	3310	93	100	110	295	122	163	117	114	**650	546	600	400
Visits to Jails.....	148	10	13	13	18	10	14	10	11	9	12	15	13
Sent directly to Hospital.....	123	7	7	10	33	11	17	13	2	4	3	16	0
Visits.....	572	11	50	46	66	42	35	47	33	67	69	50	56
Patients Examined at Office, Emergency Hospital.....	1331	26	50	54	*114	195	249	213	203	103	45	45	34

The care of the City's sick poor has been conducted this year, if anything, more effectively than last. This was the natural result of a better understanding of the work by those taking part in it. An analysis of referred sick calls would show that they are much more frequent during the rainy months when the floating population is gathered into the towns. At that season perhaps one-third of all applications for medical relief are made in behalf of acutely ill persons; most of the remainder come from persons suffering from chronic ailments, who were they not destitute might properly have been treated at a clinic. A few might be termed "miscellaneous." Some are cases of insanity or of acute alcoholic delirium, which should have been referred to the police patrol; others are cases phoned in without the knowledge of the person for whom help is requested by irresponsible neighbors; yet others are sent in by lodging-house keepers, who take this means to rid themselves of impecunious lodgers; and a few are actual "spite calls" sent in by busy-body neighbors. During the summer months, on the other hand, applications for medical aid are made uniformly in behalf of acutely ill persons.

At the suggestion of the City Physician, the Chief of Police issued a general order that no police officer should report a sick call till he had verified it by a personal investigation. An ordinance was also asked for which should make it a punishable misdemeanor to send in ambulance calls or sick calls in the names of rational sick persons without their knowledge and acquiescence. A copy of this proposed ordinance is appended.

Of late the withdrawal from the field of the "Special Sanitation" force has caused this work to become several times heavier than it was formerly. For example, in April, 1908, in addition to his other duties, the City Physician was called upon to investigate 18 sick calls, whereas in April, 1909, this number had increased to 69. When it is remembered that these calls come, for the most part, from the periphery of San Francisco, that they are nearer Ocean View, North Beach, South San Francisco, and the Cliff House than they are to Market Street, and that the majority of them are reported in during the latter half of

*Began vaccinating school children about this date.

**Druggist installed at Jail II.

***Represents treatments given, not individuals.

†Estimated total of vaccinations figuring in columns 4 and 10.

the afternoon, it will become at once apparent that some more expeditious and economical method of covering them will have to be devised. In fact, such a plan is now in process of evolution. Had it not been for the intelligent and loyal co-operation given the City Physician by those members of the department with whom he is brought into official association, the present method would probably not have stood up under this added strain during the latter months of the fiscal year.

The City's tuberculous poor present a problem whose gravity cannot be overstated. Only a small percentage of those who have sought relief from the Department of Health have received it. This was because the accommodations and maintenance funds at the disposal of the City for the care of tuberculous sick persons were inadequate to the demands made upon the Department. At the present time, an anti-tuberculosis league is trying to combat the inroads of this dread disease.

The work of the Department of Health in this field of endeavor would perhaps be best accomplished by the establishment of a separate anti-tuberculosis bureau. The argument in favor of such a plan is, however, too lengthy to admit of its introduction here.

At this writing, widespread interest is being shown in a sanitation exhibit with which the State Board of Health has fitted up a car, and which is being sent all over the State. Not only is the mode of transmission of tuberculosis graphically shown by means of models, but in the same way, the pollution of water supplies, of milk, the distribution of typhoid and the transmission of bubonic plague, of yellow fever, of diphtheria and of a number of other contagious diseases is demonstrated.

In March, 1900, the City Physician saw in Zurich, Switzerland, an example of the Boston Adjustable Schoolroom Furniture. In November, 1907, after the voting of the Public Schools bond issue, he urged that the Board of Health recommend this furniture to the Board of Education for the equipment of the new schools. In March, 1908, the matter was again called to the attention of the Board of Education by the Health Officer.

The following extract from a communication from the Secretary of the Board of Education is of interest:

"I am directed by the Board to state that this department has adopted for use the adjustable desk and chair you refer to, and expects to use the same wherever the best interests of the classroom seem to require. Awards of bids have been made and contracts are now being drawn covering these supplies."

At the City Prison, conditions are identical with those which obtained last year and are, on the whole, satisfactory. It is regrettable that the majority of the police justices have again lapsed into the habit of detaining at the prison for weeks and even months at a time persons charged usually with felonies. The prison is not adapted to this sort of use, and these prolonged detentions are inimical to the health of those detained and, in certain instances, to the health of all inmates of the prison.

Having encountered in Chinatown, young courtesans whom he had treated at the jail for acute syphilis, the City Physician has felt impelled to ask for an ordinance which shall enable him to detain at the jail or hospital prisoners found to be suffering from communicable venereal disorders until such time as they shall have ceased to be a menace to the health of the community.

This year shows little or no change at the County jails. At Jail No. 3, the women's jail, a bath house is being installed. Thanks in part to the vigorous soap and water sanitation conducted by the matrons, there has been gratifyingly little illness in Jail No. 3 this year.

At Jail No. 2 a druggist has been installed. This official has been instructed to make complete rounds, inspecting each prisoner separately, at least once daily, and all prisoners reported sick at least twice daily. He also inspects all male prisoners when they strip for the bath or admission. At the conclusion

of his morning rounds he reports the condition of the prisoners to the Central Health Office, notifying it if there is immediate need for the presence of the City Physician. It is the aim of the City Physician to make, as formerly, complete rounds twice a week in addition to making whatever special calls are required of him. The installation of a druggist has been a step in the right direction. The prisoners receive prompter and more frequent attention than heretofore; the druggist has been instructed to minister to slight functional disturbances and to perform minor surgical dressings, without waiting for the specific instructions to do so. The City Physician is still of the opinion voiced in his original recommendation that the herding together of hundreds of individuals, many of whom are necessarily of defective physical condition, calls for the constant presence of a medical attendant.

The very great attention given in the public prints during the past year to the defects of our jails is rapidly educating public opinion to the need of wholesale reforms. The ancient idea that the spirit of penal institutions should be essentially retributive, has in more enlightened communities given place to the humane and socially economical concept that their purpose is whenever possible educational and curative; that is, a penal institution should be conducted, not with a view to "getting even" with the social offender, but with the basic purpose of educating him to a right understanding of his relation to society and in fitting him to take a useful place in that society.

Again a very considerable proportion of the inmates of a jail have been committed thither for variable but inadequate lengths of time, because of alcoholic intemperance or of drug habits. These persons are never cured.

No great mathematical proficiency is needed to show that these unfortunates could be committed to a hospital or trades farm until such time as they had become cured and potentially self-supporting at a less ultimate cost to the community.

In the meantime to quote my report of last year, "There is immediate need at the Jail of an infirmary, of a method for segregating prisoners suffering from pulmonary tuberculosis, of an efficient and cheap method for maintaining antiseptic the cells and corridors of the jails, of disposing of the jail garbage and of sterilizing vermin infested bedding." The jail sewer should also be connected up with the main sewer, a scant eighth of a mile distant.

Respectfully submitted,

(Signed)

JAMES T. WATKINS, M. D.

City Physician.

STATEMENT OF TRANSCRIPTS ISSUED AND FEES COLLECTED IN THE DEPARTMENT OF PUBLIC HEALTH FOR THE FISCAL YEAR 1908-1909.

	July		August		September		October		November		December	
	Free	Paid	Free	Paid	Free	Paid	Free	Paid	Free	Paid	Free	Paid
Certified Certificates of Birth.....	0	28	21.00	0	49	36.75	0	35	26.25	0	28	21.00
Certified Certificates of Death.....	7	55	39.75	0	50	37.50	1	45	33.75	2	55	41.25
Removal Permits after Disin- terment.....	126	2	20.00	139	1	10.00	100	0	110	1	10.00	88
Totals.....	133	83		139	100		101	80	112	84	90	97
	216	80.75	239	84.25	184	60.00	196	72.25	187	91.25	214	83.25
	January		February		March		April		May		June	
	Free	Paid	Free	Paid	Free	Paid	Free	Paid	Free	Paid	Free	Paid
Certified Certificates of Birth.....	0	25	18.75	0	16	12.00	0	22	16.50	0	31	23.25
Certified Certificates of Death.....	6	46	34.50	4	63	47.25	3	62	46.50	6	48	36.00
Removal Permits after Disin- terment.....	90			59			87	2	20.00	90	1	10.00
Totals.....	96	71		63	79		90	86	96	80	117	68
	107	53.25	142	59.25	176	83.00	176	60.25	185	60.25	231	85.25

	Total		
	Free	Paid	Fee
Certified Certificates of Birth.....	0	347	260.25
Certified Certificates of Death.....	47	689	501.75
Removal Permits after Disin- terment.....	1238	12	120.00
Totals.....	1285	1028	
		2313	882.00

FINANCIAL STATEMENT OF THE DEPARTMENT OF

	1908					
	July	Aug.	Sept.	Oct.	Nov.	Dec.
Special Sanitation—						
Salaries	1130.50	646.50	313.00	305.50	111.00	107.00
Expenses	2229.39	2232.64	950.21	990.48	646.07	619.79
Central Office—						
Salaries	5246.00	5624.35	5614.65	5692.50	5690.50	5632.95
Expenses	533.25	616.52	698.41	801.13	818.61	769.96
Emergency Hospitals—						
Salaries	3070.00	3067.80	3147.75	3420.00	3260.00	3260.00
Maintenance	647.68	641.01	667.74	878.46	879.87	831.05
Mission Emergency Hospital—						
Salaries						
Equipment						
Relief Home—						
Salaries	5245.00	5212.14	5235.30	5403.35	5412.85	5294.00
Maintenance	5107.56	6294.12	6993.19	8292.57	8340.86	10241.29
City and County Hospital—						
Salaries	3166.20	3177.15	3203.05	3266.80	3396.70	3460.15
Maintenance	3717.60	4115.53	4481.43	5126.69	5598.99	5533.07
Care Patients, etc.....	3150.38	2700.79	2219.56	3413.56	3421.13	3132.55
Construction and Equipment..			778.13	1307.91		37.32
Smallpox Hospital—						
Salaries	305.00	275.00	275.00	275.00	275.00	275.00
Maintenance	158.64	216.23	215.81	210.05	235.84	266.46
Leper Hospital—						
Salaries	460.00	435.00	435.00	435.00	435.00	435.00
Maintenance	281.55	303.49	441.04	385.43	391.90	394.48
New Isolation Hospital—						
Wages						
Equipment						
Burial of Indigent Dead—	305.00	270.50	576.50	203.00	171.50	510.50
Total	34753.75	35828.77	36245.77	40407.43	39085.82	40800.57

FINANCIAL STATEMENT

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PUBLIC HEALTH FOR THE FISCAL YEAR 1908-1909.

1909						Total		Balance	Appropriation
Jan.	Feb.	Mar.	Apr.	May	June				
20.00	25.00	25.00	25.00	25.00	25.00	278.50			
674.62	479.79	527.38	368.50	437.21	375.79	10531.87	13290.37	.63	13291.00
5784.20	5790.35	5887.05	5822.50	5828.50	6052.72	68666.27			
1543.33	1749.55	1033.81	1079.88	1066.37	1499.71	12210.53	80876.80	43.20	80920.00
3260.00	3260.00	3260.00	3260.00	3260.00	3260.00	38785.55		9.45	38795.00
1011.22	863.86	911.01	1165.86	1359.18	2037.91	11894.85		105.15	12000.00
			650.00	650.00	650.00	1950.00			
	238.20	835.71	140.33	795.00		2009.24	3959.24		3959.24
5298.65	5324.95	5368.95	5478.20	5525.35	5479.75	64278.49			
10096.79	8524.37	9361.86	9525.66	9751.46	8187.36	100717.09	164995.58	4.42	165000.00
3478.50	3475.75	3923.35	3851.30	3958.15	3895.75	42252.85			
5437.40	5491.62	6337.81	6157.88	5682.24	5753.08	63433.94			
3951.10	5422.37	3202.32	3164.80	2914.88	2667.18	37360.62	143046.81	*3046.81	140000.00
			520.00	403.90		3047.26		129.70	3176.96
275.00	275.00	275.00	275.00	275.00	275.00	3330.00			3330.00
232.46	207.00	187.91	259.64	182.66	487.94	2860.64	139.36		3000.00
435.00	435.00	435.00	435.00	433.00	435.00	5243.00		2.00	5245.00
359.36	388.28	359.07	405.55	450.78	428.73	4589.66		410.34	5000.00
		111.00	54.50	152.00	171.00	488.50			
1756.00		453.60	1184.97	339.62	618.85	4353.04	4841.54	158.46	5000.00
217.00	249.50	210.00	206.50	224.50	489.00	3633.50		2366.50	6000.00
43830.63	40200.59	42705.83	44031.07	43714.80	42789.77	484394.80		322.40	484717.20
Purchase of Ambulance, Resolution No. 2641						954.25		495.75	1450.00
Milk Inspection, Resolution No. 2699.....						1000.00		800.00	1800.00
Expense of moving to 1085 Mission Street.						65.00		10.00	75.00
Paving of Yard at 1085 Mission Street.....						225.00			225.00
Total						486639.05		1628.15	488267.20

*The appropriation for the City and County Hospital is overdrawn to the amount of \$3,046.81.

PERCY R. HENNESSY,
Auditor, Department of Public Health.

EXPENDITURES OF THE CENTRAL OFFICE OF THE DEPARTMENT OF PUBLIC HEALTH
FOR THE FISCAL YEAR 1908-1909.

	1908						1909						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
Chemist	40 66	69 85	66 30	39 57	29 03	18 40	137 60	166 45	22 00	60 79	47 02	115 49	813 16
Bacteriologist	40 02	24 99	17 85	125 94	59 56	9 25	92 94	16 05	28 33	45 11	81 44	136 04	677 54
Gen. Expenses of Central Office	47 57	41 79	68 39	38 11	79 77	36 24	112 43	81 84	76 43	57 50	58 22	77 31	775 60
Transportation	405 00	466 00	521 00	521 00	571 50	499 00	606 60	776 35	642 85	632 65	637 15	619 25	6898 35
Med. School Inspection		4 89	9 67	7 91	7 40	16 10	65 88	94 35	19 30	6 00	78 20	66 39	376 09
Vaccine		9 00		27 00	47 25	9 00	9 00	31 00	19 00	36 00		151 25	
Anti-Toxin			15 20	35 60		35 60	18 00	10 94	34 00	36 00	18 00	73 60	167 34
Disinfection				6 00	24 10			25 00	24 75	62 30			251 75
Funds used in buying Furniture, Linoleum and fitting up new Headquarters, in addition to sum allowed by Supervisors						146 37	480 50	420 72	85 66	126 93	89 06	348 42	1697 66
Printing and Stationery								95 85	34 27	33 00	13 25	32 92	209 29
Photography in connection with Vacation and Condemnation Pro- ceedings							20 38	31 00	47 20	19 60	44 03	30 29	192 50
Totals	533 25	616 52	698 41	801 13	818 61	769 96	1543 33	1749 55	1033 81	1079 88	1066 37	1499 71	12210 73
Salaries	5246 00	5624 35	5614 65	5692 50	5690 50	5632 95	5784 20	5790 35	5887 05	5822 50	5828 50	6052 72	68666 27
Totals	5779 25	6240 87	6313 06	6493 63	6509 11	6402 91	7327 53	7539 90	6920 86	6902 38	6894 87	7552 43	80876 80

Respectfully submitted,

PERCY R. HENNESSY,
Auditor, Department of Public Health.

TABULATED REPORT OF THE EXPENDITURES IN THE WORK OF SPECIAL SANITATION DURING THE FISCAL YEAR
1908-1909 OF FUNDS APPROPRIATED FOR THIS WORK IN CONJUNCTION WITH THE UNITED STATES PUBLIC
HEALTH AND MARINE HOSPITAL SERVICE.

SPECIAL SANITATION.	1908												Total
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	
Rat Bait, Poison, Etc.....	72 40	81 96	204 78	174 90	46 77	57 59	55 59	42 15	24 48	45 50	35 81	16 91	220 49
Printing and Stationery.....	263 79	224 89	45 46	50 04	39 50	18 86	61 90	61 90					1191 46
Photography.....	27 96	77 43	50 04	50 04	105 00	107 50	105 00	105 00	30 00	30 00	32 50	35 00	258 95
Rent.....	117 65	90 75	76 75	125 00	45 00	107 50	105 00	105 00	30 00	30 00	32 50	35 00	960 15
Transportation.....	1253 50	1094 66	94 60	111 53	107 52	66 27	314 91	107 05	338 45	129 75	182 08	114 41	2128 16
Automobile Used by Dr. Blue.....	154 50	126 49	210 62	206 46	156 28	228 57	64 12	115 69	100 45	107 20	141 42	125 09	1713 16
Supplies and Equipment.....	25 00	323 61	66 00										2044 10
Guinea Pigs and Food for Same.....													91 00
Rat Bounty and Incidentals—Cash.....	199 00	199 00	199 00	150 00	100 00	100 00	100 00	45 00	31 00	18 05	20 45	50 10	1135 30
Expenditures.....	47 00	5 00	533 00	46 00	46 00	41 00	35 00			32 00	21 65	34 25	442 90
Telephones.....		9 15		6 55									15 70
Totals.....	2229 39	2232 61	350 21	390 48	616 07	619 79	674 62	479 79	527 38	368 50	437 21	375 79	10531 87
Salaries.....	1139 50	646 50	313 00	333 50	111 00	107 00	20 00	25 00	25 00	25 00	25 00	25 00	2758 50
Grand Total.....	3369 89	2879 11	1263 21	1265 98	757 07	736 79	694 62	504 79	552 38	393 50	462 21	400 79	13290 37

P. R. HENNESSY,
Auditor, Department of Public Health.

DIVISION OF VITAL STATISTICS

ESTIMATED POPULATION	475,000
TOTAL DEATHS REGISTERED	6,154
ANNUAL DEATH RATE PER 1,000 INHABITANTS.....	12.95
TOTAL BIRTHS REGISTERED	6,671
ANNUAL BIRTH RATE PER 1,000 INHABITANTS.....	14.04
STILL BIRTHS.....	373
Not Included in Birth or Mortality Tables.	

ED. M. COFFEY
STATISTICIAN

VITAL STATISTICS

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BIRTHS REGISTERED DURING FISCAL YEAR 1908-09

MONTH	SEX		RACE				NATIVITY OF PARENTS										MIXED PARENTAGE			TOTALS.....			
	MALES	FEMALES...	White.....	Chinese.....	Japanese...	Black.....	Twins (pairs).. Triplets.....	U. S.....	Germany...	Gt. Britain.	Ireland.....	Italy.....	China.....	Japan.....	France.....	Scandinavia..	Others	Unascertained.....	Anglo-Saxon		Latin	Others	
1908.	269	288	512	9	4	2	9	0	230	21	18	32	57	3	4	11	23	31	1	45	13	62	527
July.....	277	218	500	11	11	3	6	0	236	20	19	22	32	6	11	11	21	31	5	34	11	63	525
August.....	268	217	492	7	12	2	4	0	205	19	9	19	33	1	11	5	17	31	11	38	5	63	515
September.....	291	275	546	10	11	2	5	0	252	19	14	24	48	0	12	8	26	15	1	31	5	82	567
October.....	311	313	629	13	10	2	3	0	301	18	11	41	47	4	10	8	22	11	2	46	9	95	654
November.....	266	286	532	11	8	1	4	0	261	17	17	22	48	3	8	9	21	32	3	33	10	68	552
December.....																							
1909.	293	286	558	7	11	3	3	0	273	13	14	18	56	2	11	6	23	43	12	33	16	59	579
January.....	285	222	491	3	9	1	7	0	248	18	10	27	58	1	7	7	18	41	3	48	6	57	507
February.....	315	274	571	6	7	2	8	0	248	18	17	27	58	2	15	13	25	35	19	55	10	62	589
March.....	263	258	488	5	15	3	2	0	220	11	10	21	53	2	10	6	23	35	10	38	8	56	511
April.....	290	236	507	8	10	1	6	0	233	11	12	25	47	4	10	6	23	33	6	51	12	53	526
May.....	289	300	571	6	5	4	5	0	200	19	9	31	53	1	5	10	30	36	10	40	9	76	589
June.....																							
Totals.....	3107	3251	6136	96	113	26	62	0	2660	198	152	327	505	27	112	107	260	438	83	497	106	809	6571

STILL BIRTHS REGISTERED

(Not included in Birth or Mortality tables.)

	1908												1909																							
	July			Aug.			Sept.			Oct.			Nov.			Dec.			Jan.			Feb.			Mar.			Apr.			May			June		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.			
FEMALES.....																																				
MALES.....																																				
GRAND TOTALS...	14	12	20	5	22	10	18	12	21	13	20	11	18	5	23	13	26	17	18	16	18	13	18	10												

TABLE NO. 1.
CLASSIFIED LIST OF CAUSES OF DEATHS ARRANGED ACCORDING TO MONTHS.

For the Fiscal Year Ending June 30, 1909

CAUSES OF DEATH (International Classification)	1908												1909											
	MALES						FEMALES																	
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
GRAND TOTALS...	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.
DEATHS FROM ALL CAUSES.	6,154	3,788	2,365	3,001	185	300	186	292	1,562	206	1,083	1,621	2,233	2,206	326	190	357	224	302	214	321	213	308	168
I. General Diseases	1,893	1,139	664	93	49	87	44	86	49	80	48	95	57	93	51	97	54	98	46	120	73	93	69	99
II. Diseases of Nervous System	402	288	204	14	17	26	19	26	16	28	20	18	13	31	15	24	26	31	27	30	22	14	26	12
III. Diseases of Circulatory System	163	340	383	32	37	52	30	34	28	34	41	43	33	40	55	53	50	33	48	41	27	64	32	
IV. Diseases of Respiratory System	703	409	244	25	22	26	21	28	13	36	14	24	41	38	34	33	33	42	32	31	31	32	31	
V. Diseases of Digestive System	588	319	214	33	24	35	24	41	14	27	17	23	20	32	27	10	13	22	22	24	18	15	13	
VI. Diseases of Genito-Urinary System	516	307	204	23	13	23	21	14	27	14	27	18	30	19	24	28	30	21	37	23	15	13	17	
VII. Childbirth	56	11	54	2	6	4	1	1	1	1	1	2	4	2	2	6	6	2	1	2	2	8	4	
VIII. Diseases of the Skin	14	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
IX. Diseases of the Locomotor System	15	9	6	3	2	1	3	1	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	
X. Malformations	34	19	13	3	2	1	3	1	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	
XI. Early Infancy	251	147	104	12	11	15	9	5	12	14	15	4	8	9	15	17	6	11	3	11	3	13	9	
XII. Old Age	182	57	12	2	1	15	9	5	4	2	5	10	5	8	6	10	4	8	6	10	9	11	8	
XIII. Violence	617	515	102	50	4	43	11	38	5	35	14	34	7	47	9	42	5	40	11	43	8	49	8	
XIV. Ill-Defined Diseases	48	28	20	1	4	2	1	5	4	6	3	2	1	1	2	2	2	1	1	1	1	2	3	
I. General Diseases.																								
(a) Epidemic Diseases.																								
1 Typhoid fever	68	51	17	1	2	5	2	5	1	7	3	9	3	4	2	1	2	1	4	2	4	4	5	
2 Typhus, exanthematic																								
3 Fever, recurrent	4	4	1					1	1	1		1		1										
4 Fever, intermit. and malar. cachectia																								
5 Smallpox	1	1																						
6 Measles	25	12	13									1	1	1	1	1	1	2	5	6	1	1		
7 Scarletina	24	15	9									1	2	3	1	1	1	1	1	2	1	1		
8 Whooping cough	41	10	31	2	1	4	1	3	1	1	1	1	1	1	1	1	1	2	1	4	1			
9 Diphtheria	55	36	19	2	3	3	2	3	1	2	2	2	4	1	3	2	4	1	2	4	7	2		
9a Group																								

[illegible]

TABLE NO. 1—Continued.
CLASSIFIED LIST OF CAUSES OF DEATHS ARRANGED ACCORDING TO MONTHS.
For the Fiscal Year Ending June 30, 1909

CAUSES OF DEATH (International Classification)	GRAND TOTALS...	MALES	FEMALES	1908												1909					
				July			Aug.			Sept.			Oct.			Nov.			Dec.		
				M. F.			M. F.			M. F.			M. F.			M. F.			M. F.		
				M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
95 Pulmonary congestion and apoplexy..	19	13	6	1	2	1	2	1	2	1	1	1	1	1	1	2	2	1	2	1	1
96 Gangrene of lung	2	2	2																		
97 Asthma (bronchial)	2	2	2																		
98 Pulmonary emphysema	2	2	2																		
99 Other diseases of respiratory system	1	1	1																		
Abscess of lung	1	1	1																		
V. Diseases of Digestive System.																					
100 Diseases of mouth and adnexa—	1	1	1																		
Thrush	1	1	1																		
101 Diseases of Pharynx—	2	2	2																		
Shock foll. Ablation tonsil.	2	2	2																		
102 Diseases of esophagus—	19	19	10	1	1	1	1	1	1	1	1	1	1	1	1	2	3	2	1	3	2
Ulcer of the stomach	1	1	1																		
Operative shock	1	1	1																		
104 Other Diseases of Stomach—	6	6	3	2			1			1			1			1			1		
Gastritis, acute	2	2	2																		
Gastritis, chronic	2	2	2																		
Dilatation of	1	1	1																		
Pyloric stenosis	1	1	1																		
105 Diarrhea and enteritis (under 2 yrs.)	9	9	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Cholera infantum	13	13	7	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Diarrhea	37	37	26	5	5	6	1	2	1	1	1	1	1	1	1	2	1	2	1	1	1
Enteritis	10	10	7	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Enterocolitis	70	70	45	27	6	5	3	6	2	5	2	1	5	2	1	3	2	5	4	1	1
Gastro-enteritis	8	8	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Ileo-colitis	1	1	1																		
106 Diarrhea and enteritis (over 2 yrs.)	7	7	4													2	1	1	1	1	1
Diarrhea	7	7	4													2	1	1	1	1	1

[illegible]

VI. Diseases of Genito-Urinary System.

[illegible]

[illegible]

[illegible]

DEATHS REGISTERED
ACCORDING TO AGES

TABLE No. II.
REPORT OF DEATHS REGISTERED DURING

CAUSES OF DEATH (International Classification)		GRAND TOTALS	MALES	FEMALES	By														
					Under 1 Week		1 Wk. to 1 Mo.		1 Mo. to 6 Mos.		6 Mos. to 1 Yr.		1 to 2 Yrs.		2 to 3 Yrs.				
					M. F.		M. F.		M. F.		M. F.		M. F.		M. F.				
DEATHS FROM ALL CAUSES.					6,154	3,788	2,366	93	69	86	55	180	144	81	66	78	94	30	44
I. General Diseases					1,803	1,139	664	1	1	6	8	15	23	17	18	23	38	17	18
II. Diseases of Nervous System					492	282	204	2	2	5	4	10	4	10	8	12	10	2	4
III. Diseases of Circulatory System					933	540	393	1	1	2	2	1							1
IV. Diseases of Respiratory System					705	403	302	3	1	11	11	36	35	27	21	2	26	6	12
V. Diseases of Digestive System					538	319	219	1	1	14	6	50	37	18	11	16	9	2	6
VI. Diseases of Genito-Urinary System					516	307	209			1	1	1					2		
VII. Childbirth					56	56	0												
VIII. Diseases of the Skin					14	11	3			1									
IX. Diseases of the Locomotor System					15	9	6				2		3			1		1	
X. Malformations					34	19	15	13	12	3	1	3			2				
XI. Early Infancy					251	147	104	61	44	43	32	43	28						
XII. Old Age					132	57	75												
XIII. Violence					617	515	102	11	9	2		1	2		3	2	1	2	
XIV. Ill-Defined Diseases					48	28	20					17	13	6	6	2	1		
I. General Diseases.																			
(a) Epidemic Diseases.																			
1 Typhoid fever					68	51	17												1
2 Typhus, exanthematic																			
3 Fever, recurrent																			
4 Fever, intermit. and malar. cachexia					4	4						1							
5 Smallpox					1	1													
6 Measles					25	12	13							3	3	5	8	1	2
7 Scarletina					24	15	9											3	1
8 Whooping cough					41	10	31			4	2	7	3	5	3	12	1	2	
9 Diphtheria					55	36	19			1	1	1		1	8	2	1	3	
9a Croup																			
10 Influenza					21	10	11			1									
11 Miliary fever																			
12 Cholera. Asiatic																			
13 Cholera. nostras					3	1	2										1		
14 Dysentery (acute)					3	3													
14a Dysentery (chronic)					6	4	2												
15 Pest (Plague)																			
16 Yellow fever																			
17 Leprosy					3	2	1												
18 Erysipelas					13	8	5			1	1	1	2						
19 Other epidemic diseases—Beri-Beri					2	2								1					
(b) Other general diseases. Mumps					1	1													
20 Purulent infection and septicemia—																			
Following Abscess Axilla					1	1													
Following Cellulitis Arm					1	1													
Following Cellulitis Leg					1	1													
Following Wound Ankle					1	1													
Following Wound Arm					1	1													
Following Amputation Leg					1	1													
Following Gangrene Throat					1	1													
Following Ulcer Rectum					1	1													
Following Ulcerated Tooth					1	1													
Following Insect Bite					1	1				1									
Foll. Punctured Nailwound Foot					1	1				1									
Following Scratch on Face					1	1													
Foll. Streptococcus Infection					1	1													
Pyemia, injury to hip					1	1													
21 Glanders and farcy (glanders)					1	1													
22 Malig. pustule and charbon																			
23 Rabies																			
24 Actinomycosis, trichinosis, etc.																			
25 Pellagra																			
26 Tuberculosis of Larynx					3	3													
27 Tuberculosis of lungs					689	501	188					1	2	3	2	1	2	2	1
28 Tuberculosis meningitis					69	31	38					1	3	3	5	4	10	8	7
29 Tuberculosis, abdominal—of Intestines					8	3	5					1	1				1		

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FISCAL YEAR ENDING JUNE 30, 1909

[illegible]

TABLE No. II—Continued.

REPORT OF DEATHS REGISTERED DURING

CAUSES OF DEATH (International Classification)	GRAND TOTALS	MALES	FEMALES	By							
				Under 1 Week	1 Wk. to 1 Mo.	1 Mo. to 6 Mos.	6 Mos. to 1 Yr.	1 to 2 Yrs.	2 to 3 Yrs.		
				M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.
Peritoneal.....	16	7	9			1	3		1		
30 Pott's disease.....	12	2	10								
31 Tuberculous abscess.....	2	4	1								
32 White Swelling (Tub. of Hip-Joint).....	5	3	2								
33 Tuberculosis of other organs—											
Tuberculous Adenitis.....	12	2						1			
Of Urinary Bladder.....	1	1									
Of Foot.....	1	1									
Of Kidney.....	1		1								
Knee Joint.....	1	1						1			
34 Generalized tuberculosis.....	16	10	6			2	1	1	1	1	1
35 Scrofula.....											
36 Syphilis (congenital).....	21	9	12	1	3	3	5	7	1	1	
(Acquired).....	25	21	4								
37 Gonorrhea of the adult.....	1	1									
38 Gonorrheal infect. of children.....											
39 Cancers of Buccal Cavity—											
Lip.....	5	4	1								
Maxilla.....	12										
Maxilla (operative shock).....	1	1									
Mouth.....	4										
Parotid gland.....	12	1	1								
Tongue.....	5	7									
40 Cancers of stomach and liver—											
Stomach.....	117	77	40								
Stomach (operative shock).....	4	2	2								
Liver.....	38	21	17								
Sarcoma of liver.....	7	2	5								
41 Cancers of intestines and rectum—											
Intestines.....	29	13	16								
Intestines (operative shock).....	2	1	1								
Rectum.....	19	12	7								
Sarcoma of intestines.....	3	2	1								
Retro-Peritoneal Sarcoma.....											
42 Cancers of female genital organs—											
Uterus.....	50		50								
Sarcoma uterus.....	4		4								
External genital organs.....	2		2								
Vulva (operative shock).....	1		1								
43 Cancers of breast.....	37		37								
44 Cancer of the skin—											
Face.....	10	6	4								
Face (operative shock).....	1	1									
45 Cancer of other organs—											
Bladder (urinary).....	6	5	1								
Eye.....	1	1									
Grin.....	2	1	1								
Kidney.....	2	1	1								
Larynx.....	6	5	1								
Lung.....	32	22	1								
Mediastinum.....	2	2									
Neck.....	6	5	1								
Neck (operative shock).....	1	1									
Penis.....	4	4									
Prostate.....	5	5									
Spleen.....	1	1									
Testicle.....	2	2									
Disseminated.....	5	2	3								
Sarcoma kidney.....	1		1								
Lung.....	1		1								
Mediastinum.....	1	1									
Neck.....	2	5	3								
Shoulder.....	2	2									
Shoulder (operative shock).....	1		1								
Spleen.....	2	1	1								

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FISCAL YEAR ENDING JUNE 30, 1909

[illegible]

TABLE No. II—Continued.

REPORT OF DEATHS REGISTERED DURING

CAUSES OF DEATH (International Classification)	GRAND TOTALS	MALES	FEMALES	By											
				Under 1 Week	1 Wk. to 1 Mo.	1 Mo. to 6 Mos.	6 Mos. to 1 Yr.	1 to 2 Yrs.	2 to 3 Yrs.						
				M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.
Testicle	1	1													
Disseminated	1	1													
46 Other tumors (non-cancerous)															
Abdominal	1	1													
Lymphadenoma	1	1													
Spleen	1	1													
47 Rheumatism, acute articular	26	11	15												
48 Rheumatism, chronic, and gout	4	2	2												
49 Scurvy	1	1													
50 Diabetes	62	34	28												
51 Goitre, Exophthalmic	9	4	5												
52 Addison's disease	4	3	1												
53 Leukemia	10	6	4												
54 Anemia; chlorosis	16	12	4												
55 Other general diseases															
56 Alcoholism, acute and chronic	90	72	18												
57 Lead poisoning	2	2													
58 Other professional intoxications															
59 Other chronic poisons— (Morphine)	5	5													
(Opium)	1	1													
II. Diseases of Nervous System.															
60 Encephalitis; cerebritis	6	4	2		1										1
61 Meningitis, simple (cerebral)	42	23	19		1	4	1	6	6	3					3
Meningitis, simple (spinal)	5	5						2	1						1
(Septic) Foll. Tonsillitis	1	1													
(Septic) Foll. Op. Nasal Septum	1	1													
61a Cerebro—Spinal Meningitis	35	22	13		1	2		1	2	5	2				1
62 Locomotor Ataxia	14	12	2												
63 Other diseases spinal cord— Myelitis	2	2													
Paralysis Agitans	2	2													
Progressive muscular atrophy	4	3	1												
Sclerosis, Lateral	3	3													
64 Apoplexy, cerebral	232	149	113												
65 Cerebral softening	21	10	11												
66 Paralysis	14	8	6												
67 Paralysis, general, of insane	8	4	4												
68 Other forms mental disease (terminal dementia)	1	1													
69 Epilepsy	13	7	6												
70 Eclampsia (non-puerperal)															
71 Convulsions of children	16	9	7	2	2	2	3	4	2	1					
72 Tetanus															
Following infection umbilicus	1	1			1										
Foll. Op. for hemorrhoids	1	1													
Foll. lacerated wound, hand	1	1													
Following vaccination	2	2													
73 Chorea	2	1	1												
74 Other diseases of brain— Abscess of	7	6	1												
Tumor of	15	8	7				1								
Hydrocephalus, acute	1	1													
74a Other diseases nervous system— Neuritis	2	1	1												
75 Diseases of the eye and its adnexa															
76 Diseases of the ear—Otitis media	10	3	7											4	
III. Diseases of Circulatory System.															
77 Pericarditis	10	4	6		1										
78 Endocarditis, acute	15	6	9				1							1	

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FISCAL YEAR ENDING JUNE 30, 1909

[illegible]

CAUSES OF DEATH (International Classification)		GRAND TOTALS..	MALES	FEMALES	By															
					Under 1 Week		1 Wk. to 1 Mo.		1 Mo. to 6 Mos.		6 Mos. to 1 Yr.		1 to 2 Yrs.		2 to 3 Yrs.					
					M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.				
79	Organic diseases of the heart—																			
	Valvular	327	182	145					1										1	
	Dilatation of	62	27	35																
	Endocarditis, chronic	117	90	27																
	Fatty heart	42	15	27																
	Myocarditis, chronic	204	111	93																
80	Angina pectoris	23	17	6																
81	Diseases of the arteries—																			
	Aneurism of aorta	22	19	3																
	Arterio-sclerosis	79	49	30																
	Atheroma of	3	2	1																
82	Embolism and thrombosis	15	2	7																
83	Diseases of veins (Hemorrhoids)	1	1	1																
	Phlebitis	6	5	1																
84	Diseases of lymphatics																			
85	Hemorrhages—Hemophilia	6	4	2	1		1	1	1										1	
	Purpura hemorrhagica	1	1																	
86	Other diseases of circulatory system																			
IV. Diseases of Respiratory System.																				
87	Diseases of the nasal fossa adenoids	1	1							1										
88	Diseases of the Larynx—																			
	Laryngitis	4	2	2												1	1			1
	Laryngismus stridulus	2	2							1										
88a	Other diseases Larynx—																			
	Spasmodic croup	2	2																	2
89	Diseases of thyroid body—																			
90	Bronchitis, acute	32	16	16			1	2	2	3	1	3	1							1
	Capillary Bronchitis	32	11	21			1	2	4	2	1									
91	Bronchitis, chronic	53	25	28									1	1						
92	Broncho pneumonia	156	83	73	2		6	3	17	15	14	8	7	17	2					2
93	Pneumonia	358	220	138	1		2	2	11	16	12	4	8	10	2					6
94	Pleurisy	32	25	7											1	1				
95	Pulmonary congestion and apoplexy	19	13	6					2			2								
96	Gangrene of lung	2	2																	
97	Asthma (bronchial)	6	6	2																
98	Pulmonary emphysema	2	2																	
99	Other diseases of respiratory system																			
	Abscess of lung	2	1	1																
V. Diseases of Digestive System.																				
100	Diseases of mouth and adnexa—																			
	Thrush	1	1																	
101	Diseases of Pharynx—																			
	Shock Pol. Ablation tonsil	2	2																	
102	Diseases of esophagus—																			
103	Ulcer of the stomach	29	19	10																
104	Other Diseases of Stomach—																			
	Operative shock	2	1	1																
	Gastritis, acute	6	3	3															1	
	Gastritis, chronic	5	2	3					1											
	Dilatation of	2	2	2																
105	Diarrhea and enteritis (under 2 yrs.)																			
	Pyloric stenosis	2	1	1																
	Cholera infantum	9	5	4					2	4	2				1					
	Diarrhea	13	6	7			1	2	4	5	1									
	Enteritis	37	26	11			4	2	13	7	4	2	5							
	Enterocolitis	10	7	3			1	1	4	2	2	1								
	Gastro-enteritis	70	43	27	1	1	8	2	22	15	5	7	7	2						
	Ileo-colitis	8	3	5					1	3	1	1	1							
106	Diarrhea and enteritis (over 2 yrs.)																			
	Diarrhea	7	3	4																
	Enteritis	3	3																	

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FISCAL YEAR ENDING JUNE 30, 1909

[illegible]

CAUSES OF DEATH (International Classification)		GRAND TOTALS..	MALES	FEMALES	By									
					Under 1 Week	1 Wk. to 1 Mo.	1 Mo. to 6 Mos.	6 Mos. to 1 Yr.	1 to 2 Yrs.	2 to 3 Yrs.				
					M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.		
	Enterocolitis	5	12	3								2		
	Gastro-enteritis	26	19	14								1		
	Duodenal Ulcer	10		3								4		
107	Intestinal parasites													
108	Hernia	11	6	2										
	(Operative shock)	3	1	2										
108a	Obstruction of intestines	27	11	16										
	(Operative shock)	4		2										
	Intussusception of	7	2	2										
	Volvulus	1	1											
109	Other diseases intestines—													
	Ischidrectal abscess	2	2											
	Fecal fistula (operative shock)	2	1	1										
	Stricture rectum (oper. sepsis)	1		1										
110	Acute yellow atrophy of liver	4	2	2										
111	Tumors, hydatid, of liver	1	1											
112	Cirrhosis of the liver	131	83	48										
113	Biliary calculi	9	2	7										
114	Other diseases of liver—													
	Abscess of	7	1											
	Inflammation of	4	1	3										
	Cholangitis	3	1	2										
	Cholecystitis	2	2											
	Empyema gall-bladder (operative sepsis)	1	1											
115	Diseases of the spleen—hypertrophy	2												
116	Peritonitis, simple (puerperal excep.)	11	1	4										
117	Other dis. digest. syst.—pancreatitis	1	1											
	Pancreatitis (operative shock)	1	1											
118	Appendicitis and abscess of iliac fossa	48	30	18										
	Operative sepsis	5	4	1										
	Operative shock	3	2	1										
VI. Diseases of Genito-Urinary System.														
119	Nephritis, acute	46	26	20										
	(Operative shock)	1	1											
120	Bright's Disease	390	255	135										
121	Other diseases kidney—													
	Abscess of	2		2										
	Tumor of (operative shock)	1	1											
	Pyelitis	6	3	3										
	Pyonephrosis	3	3											
122	Calculi of the urinary tract													
123	Diseases of bladder—													
	Cystitis, chronic	8	7	1										
	Tumor of	1	1											
124	Diseases of the urethra, etc.													
	Urethral Fistula	1	1											
	Stricture of (septicemia)	1	1											
125	Diseases of the Prostate—													
	Hypertrophy of	7	7											
126	Non-venereal dis. male genital organs	1	1											
127	Metritis													
128	Uterine hemorrhage (non-puerperal)	1		1										
129	Uterine tumors (non-cancerous)													
	Fibro-myoma of	8		8										
	(Operative sepsis)	2		2										
	(Operative shock)	6		6										
130	Other diseases uterus—													
	Pelvic abscess	3		3										
	Gangrene of	2		2										
131	Cysts and other tumors of ovary	9		9										
	(Operative shock)	5		5										
132	Diseases tubes—Salpingitis	7		7										

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FISCAL YEAR ENDING JUNE 30, 1909

[illegible]

TABLE No. II—Continued.

REPORT OF DEATHS REGISTERED DURING

CAUSES OF DEATH (International Classification)	GRAND TOTALS	MALES	FEMALES	By									
				Under 1 Week	1 Wk. to 1 Mo.	1 Mo. to 6 Mos.	6 Mos. to 1 Yr.	1 to 2 Yrs.	2 to 3 Yrs.				
				M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.
(Operative sepsis)	1	1	1										
(Operative shock)	4	4	4										
133 Non-puerperal dis. breast (cancer exc.)													
VII. Childbirth.													
134 Accidents of pregnancy—													
Abortion (natural causes acci'd.)	2	2	2										
(Self-induced)	4	4	4										
(Homicide)	1	1	1										
Extra Uterine Pregnancy	3	3	3										
Do. (operative shock)	2	2	2										
Miscarriage	1	1	1										
135 Puerperal hemorrhage (post-partum)	5	5	5										
136 Other acc. of labor—Cesarian section	1	1	1										
Prolonged labor	3	3	3										
Placenta Previa	3	3	3										
Rupture of Uterus	1	1	1										
137 Puerperal septicemia	19	19	19										
138 Albuminuria and puerperal eclampsia	11	11	11										
139 Phlegmasia alba dolens													
140 Other puerperal accidents—													
141 Puerperal diseases of breast													
VIII. Diseases of the Skin.													
142 Gangrene	8	7	1										
(Operative shock)	1	1	1										
Cancrum oris	1	1	1										
143 Carbuncle	1	1	1										
144 Acute abscess, etc.													
145 Other diseases of the skin—													
Cellulitis of leg	1	1	1										
Cellulitis of neck	1	1	1										
Pemphigus	1	1	1			1							
IX. Diseases of Locomotor System.													
146 Non-tuberculous disease of bones—													
Mastoid abscess	10	6	4			1	2					1	
Rickets	3	2	1			1	1			1			
Osteomyelitis femur													
Septicemia following	1	1	1										
Necrosis Hib-Bone (opr. shock)	1	1	1										
147 Arthritis and other affections joints	1												
148 Amputation													
149 Other diseases organs of locomotion													
X. Malformations.													
150 Hydrocephalus	3	1	2	1		1		1					
150a Congenital malform. heart—Cyanosis	27	16	11	11	11	3	2						
150b Other congenital malformations—													
Cleft palate	1		1					1					
Imperforate anus	1	1	1										
Spina bifida	2	1	1		1		1						
XI. Early Infancy.													
151 Premature birth	111	59	52	41	38	15	14	3					
151a Congenital debility—Atelectasis	2	2	1		1		1						
Icterus neonatorum	7	4	3	1	2	3	1						
Inanition	75	48	27	9	3	18	11	21	13				
Marasmus	45	26	19	1		6	4	19	15				

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FISCAL YEAR ENDING JUNE 30, 1909

[illegible]

[illegible]

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FISCAL YEAR ENDING JUNE 30, 1909

[illegible]

REPORT OF DEATHS REGISTERED DURING

CAUSES OF DEATH (International Classification)		GRAND TOTALS..	MALES	FEMALES	By												
					Under 1 Week		1 Wk. to 1 Mo.		1 Mo. to 6 Mos.		6 Mos. to 1 Yr.		1 to 2 Yrs.		2 to 3 Yrs.		
					M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
166	Accidental gunshot wounds	3	3														
	Self-inflicted.....	3	3														
166a	Injuries by machinery	4	4														
166b	Injuries in mines and quarries	4	4														
166c	Railroad accident and injuries—																
	Run over by train	3	3														
	Struck by locomotive	4	4			2											
166d	Street car accidents and injuries—																
	Run over by cable car	2	2														
	Struck by cable car.....	1	1														
	Fall from electric car.....	6	5			1											
	Run over by electric car	9	9			2											
	Struck by electric car.....	35	31			4											
	Jumped from electric car.....	2	2			2											
	Swept from (riding blind).....	1	1														
	Collision bet. electric cars.....	1	1														
	Between cable and electric.....	1	1														
	Between electric and wagon.....	1	1														
	Thrown from electric car.....																
166e	Injuries by horses and vehicles—																
	Col. bet. auto and electric car	2	2														
	Struck by automobile.....	5	4			1											
	Hurled from automobile.....	1	1														
	Dragged by runaway horse.....	1	1														
	Struck by runaway horse.....	3	2			1											
	Kicked by horse.....	4	4														
	Run over by truck.....	3	2			1											
	Crushed by overturned wagon.....	1	1														
	Fall from wagon.....	3	3														
	Run over by wagon.....	3	2			1											
	Thrown from, in runaway.....	2	2														
166f	Other accidental traumatisms—																
	Cerebral Hemorrhage—																
	Fall from loft.....	1	1														
	Fall on pavement.....	1	1			1											
	Fall down stairs.....	1	1														
	Concussion brain, Fall from chair.....	1	1														
	Fall from gang-plank.....	1	1														
	Fall from slide-board.....	1	1														
	Fall (not specified).....	1	1			1											
	Crushing body—by caving earth.....	2	2														
	By fall from building.....	4	4														
	By fall from balcony.....	1	1														
	By fall from ladder.....	1	1														
	By fall from window.....	1	1														
	Rupture Liver—fall from window.....	1	1														
	Rup. Spleen—fall from scaffold.....	1	1														
	Perfor. Wd. abdomen (fall).....	1	1														
	Perfor. skull (surgical inst.).....	1	1			1											
	Injury to back.....	1	1														
	Dynamite explosion.....	1	1														
167	Burns and scalds—Burns—																
	Burns—Acc. ignition clothing																
	From open grate.....	1	1			1											
	do. From gas stove.....	1	1			1											
	Playing with matches.....	2	1			1											
	From escaping steam.....	2	2														
	From boiling water.....	3	1			1											
	In burning buildings.....	7	6			1											
	Fire on board ship.....	1	1														
168	Burning by corrosive substances.....	1	1														
169	Heat and sunstroke																
170	Cold and freezing																
171	Electricity																

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FISCAL YEAR ENDING JUNE 30, 1909

[illegible]

REPORT OF DEATHS REGISTERED DURING

CAUSES OF DEATH (International Classification)		GRAND TOTALS...	MALES	FEMALES	By											
					Under 1 Week		1 Wk. to 1 Mo.		1 Mo. to 6 Mos.		6 Mos. to 1 Yr.		1 to 2 Yrs.		2 to 3 Yrs.	
					M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
172	Accidental drowning (in bay).....	43	41	2												
	in bath tub.....	1	1	1												
173	Starvation.....	1	1													
174	Inhalation poisonous gases.....															
	Illuminating gas (accidental).....	35	30	5												
	Inhalation of smoke.....	1	1													
	Chloroform anesthesia.....	4	3	1												
175	Other acute poisonings—.....															
	Alcohol—Acc. self-administered.....	1	1													
	Carbolic Acid—Acc. admin.....	3	2	1									1			
	Opium—Acc. administered.....	1	1													
	Phosphorus—Eating matches.....	1	1													
	Potassium Bromide—Acc.....	1	1											1		
	Pitomaine poisoning.....	4	2	2												1
176	Suffocation—Overlaid (Acc.).....	2	1	1		1				1						
	Under bed clothes (Acc.).....	2	1	1					1	1						
	Accidental hanging.....	1	1													
	Between chair and door.....	1	1													
	Buried in debris.....	1	1													
176a	Injuries at birth (App'n. forceps).....	16	8	8	7	8	1									
	Prolonged labor.....	4	3	1	2	1	1									
176b	Homicide—By blows.....	5	4	1												
	By cutting.....		6													
	By firearms.....	31	23	8												
	By strangulation.....	1	1		1											1
	By poisoning—Strychnine.....	1	1													
176c	Other external violence—.....															
	Accidental electrocution.....	6	5	1												
XIV. Ill-Defined Diseases.																
177	Dropsy.....															
178	Sudden death.....															
179	Heart failure.....															
179a	Inanition (over 3 months).....	11	3	8				3	6		2					
179b	Debility (over 3 months).....															
179c	Marasmus (over 3 months).....	35	23	12				14	7	6	4	2	1			
179d	Fever.....															
179e	Unspecified or ill-defined (unknown).....	2	2													
179f	Unascertained—Decomposed remains.....															

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FISCAL YEAR ENDING JUNE 30, 1909

[illegible]

CAUSES OF DEATH (International Classification)	GRAND TOTALS..	MALES	FEMALES	Social					
				Single		Married		Widowed	
				M.	F.	M.	F.	M.	F.
DEATHS FROM ALL CAUSES.	6,154	3,788	2,366	1,871	823	1,218	796	454	715
I. General Diseases	1,803	1,139	664	631	256	356	267	98	131
II. Diseases of Nervous System	492	288	204	120	64	108	64	48	74
III. Diseases of Respiratory System	932	540	393	160	50	217	121	132	219
IV. Diseases of Digestive System	705	409	296	211	139	120	67	44	88
V. Diseases of Genito-Urinary System	538	319	219	184	100	107	68	16	49
VI. Childbirth	516	307	209	102	24	127	105	48	74
VII. Diseases of the Skin	56	36	20	10	2	1	5	1	1
VIII. Diseases of the Locomotor System	14	11	3	5	1	1	1	4	2
IX. Malformations	15	9	6	6	2	1	2	1	2
X. Early Infancy	34	19	15	19	15	1	1	1	1
XI. Old Age	251	147	104	147	104	1	1	1	1
XII. Violence	132	57	75	7	4	17	2	32	63
XIII. Ill-Defined Diseases	617	515	102	252	40	162	42	32	14
XIV. Ill-Defined Diseases	48	28	20	27	20				
I. General Diseases.									
(a) Epidemic Diseases.									
1 Typhoid fever	68	51	17	37	8	13	7	1	
2 Typhus, exanthematic									
3 Fever, recurrent									
4 Fever, intermit. and malar. cachexia	4	4		2		1			
5 Smallpox	1	1		1					
6 Measles	25	12	13	12					
7 Scarlatina	24	15	9	15			1		
8 Whooping cough	41	10	31	9	31	1			
9 Diphtheria	55	36	19	35	18	1	1		
9a Croup									
10 Influenza	21	10	11	2	3	5	1	3	7
11 Miliary fever									
12 Cholera, Asiatic									
13 Cholera, nostras	3	1	2	1	2				
14 Dysentery (acute)	3	3			1		1		1
14a Dysentery (chronic)	6	4	2	3		1			2
15 Pest (Plague)									
16 Yellow fever									
17 Leprosy	3	2	1						
18 Erysipelas	13	8	5	2	4	2		2	1
19 Other epidemic diseases—Beri-Beri	2	2		1		1			
(b) Other general diseases. Mumps	1	1		1					
20 Purulent infection and septicemia—									
Following Abscess Axilla	1	1		1					
Following Cellulitis Arm	1	1		1					
Following Cellulitis Leg	1	1		1					
Following Wound Ankle	1	1		1					
Following Wound Arm	1	1		1					
Following Amputation Leg	1	1		1		1			
Following Gangrene Throat	1	1		1		1			
Following Ulcer Rectum	1	1		1					
Following Ulcerated Tooth	1	1		1					
Following Insect Bite	1	1		1		1			
Foll. Punctured Nailwound Foot	1	1		1			1		
Following Scratch on Face	1	1		1					
Foll. Streptococcus Infection	1	1		1		1			
Pneumia, injury to hip	1	1		1					
21 Glanders and farcy (glanders)	1	1		1					
22 Malignant pustule and charbon (anthrax)									
23 Rabies									
24 Actinomycosis, trichinosis, etc.									
25 Pellagra									
26 Tuberculosis of Larynx	3	3				3			
27 Tuberculosis of lungs	689	501	188	290	64	150	103	40	18
28 Tuberculosis meningitis	69	31	38	29	36	1	2		
29 Tuberculosis, abdominal—of Intestines.									

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FISCAL YEAR ENDING JUNE 30, 1909

Relation				Color								Nativity											
Lived		Unascertained		White		Chinese		Japanese		African		San Francisco		Other Parts of Cal.		Other States		Foreign		Unascertained			
M	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.		
33	24	212	18	3,500	2,318	157	15	38	13	36	21	640	563	453	373	676	447	1,845	969	168	31		
5	8	49	1	1,036	649	78	6	10	4	14	1	617	163	187	136	200	121	551	235	28	7		
3	1	9	1	282	203	4	1	1	1	1	1	45	38	28	28	66	40	142	97	1	4		
5	3	26	1	517	389	17	2	2	2	4	2	22	20	29	29	125	89	350	251	14	4		
4	2	30	1	388	285	13	4	5	5	3	3	93	90	50	51	65	38	181	114	20	3		
2	1	10	11	302	214	11	1	4	1	2	3	89	67	45	44	41	34	133	67	11	7		
9	4	21	2	283	207	19	1	1	1	5	1	22	21	24	34	68	65	176	84	17	5		
					54							14	16	16	8								
		1		10	3	1						1	1	1	1	6	1	2	1	1			
				9	5							2	2	2	1	2	3						
				19	15							16	13	2	2								
				140	102	3	1	3		1	1	118	86	26	15					3	3		
	1	1		56	75											14	16	42	58	1			
5	4	64	2	487	98	10		13	1	5	3	50	31	49	12	89	28	264	32	63			
		1		27	19	1						15	16	10	4			2		1			
	1	1		44	16	4		2				1	5	3	13	5	7	3	25	6	1		
		1		3							1			1		1			1	1			
				10	12	1	1			1		8	6	3	5	1				1	1		
				15	9							7	4	7	4	1		1					
				9	29		2					6	25	3	4	1	1			1			
				35	19	1				1		19	10	11	8	3	1		3				
				10	11									1		5	2		4	9			
					2	1						1				1			1				
				4	2											1			4	1			
		1			1	1						1	2	1	1	1			5	2			
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TABLE No. II—Continued.

REPORT OF DEATHS REGISTERED DURING

CAUSES OF DEATH (International Classification)	GRAND TOTALS	MALES	FEMALES	Social					
				Single		Married		Widowed	
				M.	F.	M.	F.	M.	F.
Peritoneal.....	16	7	9	5	7	2	2		
30 Pott's disease.....	2	2		2					
31 Tuberculous abscess.....	5	4	1	2	1	2			
32 White Swelling (Tub. of Hip-Joint).....	5	3	2	3	2				
33 Tuberculosis of other organs—									
Tuberculous Adenitis.....	2	2		1		1			
Of Urinary Bladder.....	1	1				1			
Of Foot.....	1	1						1	
Of Kidney.....	1		1				1		
Knee Joint.....	1	1		1					
34 Generalized tuberculosis.....	16	10	6	7	3	1	3	1	
35 Scrofula.....									
36 Syphilis (congenital).....	21	9	12	9	12				
(Acquired).....	25	21	4	9		5	2	5	1
37 Gonorrhea of the adult.....	1	1		1					
38 Gonorrheal infect. of children.....									
39 Cancer of Buccal Cavity—									
Lip.....	5	4	1	1		2	1	1	
Maxilla.....	12	12		4		7		1	
Maxilla (operative shock).....	1	1				1			
Mouth.....	4	4		1		2		1	
Parotid gland.....	2	1	1		1	1			
Tongue.....	7	7		1		2		3	
40 Cancers of stomach and liver—									
Stomach.....	117	77	40	26	3	39	14	8	22
Stomach (operative shock).....	4	2	2			2			1
Liver.....	38	21	17	7	1	8	11	5	5
Sarcoma of liver.....	7	2	5			2	2		2
41 Cancers of intestines and rectum—									
Intestines.....	29	13	16	2	1	10	7	1	8
Intestines (operative shock).....	2	1	1			1			
Rectum.....	19	12	7	2		8	4	2	3
Sarcoma of intestines.....	3	2	1	2	1				
42 Cancers of female genital organs—									
Uterus.....	50		50			2	29		17
Sarcoma uterus.....	4		4				4		
External genital organs.....	2		2			1	1		
Vulva (operative shock).....	1		1						1
43 Cancers of breast.....	37		37			3	20		14
44 Cancer of the skin—									
Face.....	10	6	4	2		2		2	4
Face (operative shock).....	1	1		1					
45 Cancers of other organs—									
Bladder (urinary).....	6	5	1	1		3	1	1	
Eye.....	1	1				1			
Groin.....	2	1	1	1					1
Kidney.....	2	1	1						
Larynx.....	6	5	1	2		1	1	2	
Lung.....	3	2	1		1	1			
Mediastinum.....	2	2							
Neck.....	6	5	1	2		2	1	1	
Neck (operative shock).....	1	1			1				
Penis.....	4	4		3		1			
Prostate.....	5	5		1		2		2	
Spleen.....	1	1				1			
Testicle.....	2	2		1		1			
Disseminated.....	5	2	3		1	2			2
Sarcoma kidney.....	1		1				1		
Lung.....	1		1		1				
Mediastinum.....	1		1		1				
Neck.....	8	5	3	1		1	2	1	1
Sarcoma shoulder.....	2	2		1		1			
Shoulder (operative shock).....	1		1				1		
Spleen.....	2	1	1			1	1		
Testicle.....	1	1				1			

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FISCAL YEAR ENDING JUNE 30, 1909

Relation				Color								Nativity									
Divorced		Unascertained		White		Chinese		Japanese		African		San Francisco		Other Parts of Cal.		Other States		Foreign		Unascertained	
M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
				6	7	1			2			2	3	3	3			2	3		
				1					1			1						1			
				4	1					1		1		1	1			2			
				3	2					1		1		1	2	1					
				2								1				1					
				1														1			
				1														1			
				1	1							1								1	
				1								1									
				10	4					2		4	3	2			1	4	2		
				9	12							5	3	2	9					2	
				2	1	18	4	2		1		1		5	5	3	3	11		1	1
				1														1			
				4	1											3		1	1		
				12										2		2		7			
				1										1							
				4												2		2			
				1	1							1		1		1			1		
				1								1		1		1		4			
1	1	3		73	40	3			1			2	1		15	6	59	31	2		
				2	2										2		2	1			
				18	17	1		1	1					1	1	7	5	13	11		
				1	5	1								1		1	2				
				13	16																
				1	1							1		3	2	3	11	9			
				12	7											4	3	7	4		
				2	1							1	1	1							
				2																	
				49		1								4	8	12		25		1	
				4											1	3					
				2												1			1		
				35						2		2		6		14		15			
				5	4									1		1		4	4		
				1														1			
				5	1									1	1			3			
				1												1		1			
				1	1													1			
				1	1													1	1		
				5	1										1	1		4			
				2	1								1					12			
				2												1		1			
				5	1									1				4	1		
				1														1			
				3						1						1		3			
				5												1		3		1	
				1														1			
				2														1			
				1	3													1			
				1														1			
				1														1			
				2														2			
				1	1													1			
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				1														1			
				1														1			
				1														1			
				1														1			
				1														1			
				1											</						

TABLE No. II—Continued.
REPORT OF DEATHS REGISTERED DURING

CAUSES OF DEATH (International Classification)	GRAND TOTALS...	MALES	FEMALES	Social					
				Single		Married		Widowed	
				M.	F.	M.	F.	M.	F.
Disseminated Sarcoma.....	1	1				1			
46 Other tumors (non-cancerous).....									
Abdominal	1	1		1					
Lymphadenoma	1	1				1			
Spleen	1	1		1					
47 Rheumatism, acute articular	24	11	15	9	12	2	1		2
48 Rheumatism, chronic, and gout	4	2	2			2	1		
49 Scurvy	1	1		1					
50 Diabetes	62	34	28	7	2	20	12	6	14
51 Goitre, Exophthalmic	5	4	5	4	2		2		1
52 Addison's disease	4	3	1	1	1	2			
53 Leukemia	10	6	4	2	3	3		1	
54 Anemia; chlorosis	16	12	4	6	1	6	2		1
55 Other general diseases									
56 Alcoholism, acute and chronic	90	72	18	37	1	20	17	4	
57 Lead poisoning	2	2				2			
58 Other professional intoxications									
59 Other chronic poisons—									
(Morphine)	5	5		1	2				
(Opium)	1	1		1					
II. Diseases of Nervous System.									
60 Encephalitis; cerebritis	6	4	2	1	2	3			
61 Meningitis, simple (cerebral)	42	23	19	23	16		1		2
Meningitis, simple (spinal)	5	5		5					
(Septic) Foll. Tonsillitis	1	1	1						1
(Septic) Foll. Op. Nasal Septum	1	1				1			
61a Cerebro—Spinal Meningitis	35	22	13	20	11	1	2		
62 Locomotor Ataxia	14	12	2	1	1	6		4	1
63 Other diseases spinal cord—									
Myelitis	2	2		1		1			
Paralysis Agitans	2	2				2			
Progressive muscular atrophy	4	3	1	1	1	1		1	
Sclerosis, Lateral	3	3		1		1			
64 Apoplexy, cerebral	262	149	113	35	8	73	46	36	57
65 Cerebral softening	21	10	11	1		7	6	1	5
66 Paralysis	14	8	6	2	2	2	1	3	3
67 Paralysis, general, of insane	8	4	4		1	3	1	1	2
68 Other forms mental disease (terminal dementia)	1	1		1					
69 Epilepsy	13	7	6	4	4	2	1		1
70 Eclampsia (non-puerperal)									
71 Convulsions of children	16	9	7	9	7				
72 Tetanus									
Following infection umbilicus.....	1	1		1					
Foll. Op. for hemorrhoids.....	1	1	1				1		
Foll. lacerated wound, hand.....	1	1		1					
Following vaccination	2	2		2					
73 Chorea	2	1	1	1	1				
74 Other diseases of brain—									
Abscess of	7	6	1	3		1		2	1
Tumor of	15	8	7	3	1	3	5		1
Hydrocephalus, acute.....	1	1		1					
74a Other diseases nervous system—									
Neuritis	2	1	1	1	1				
75 Diseases of the eye and its adnexa.....									
76 Diseases of the ear—Otitis media.....	10	3	7	2	7	1			
III. Diseases of Circulatory System.									
77 Pericarditis	10	4	6	1	2	2	3		1
78 Endocarditis, acute	15	6	9	2	4	3	3		2
79 Organic diseases of the heart—									
Valvular	327	182	145	51	20	81	49	40	73

VITAL STATISTICS

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TABLE No. II—Continued.

FISCAL YEAR ENDING JUNE 30, 1909

Relation				Color								Nativity									
Divorced		Unascertained		White		Chinese		Japanese		African		San Francisco		Other Parts of Cal.		Other States		Foreign		Unascertained	
M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
				1										1							
				1								1						1			
				1														1			
						1												1			
				10	15	1						4	5	1	6	2	2	4		2	
				2		2								1				1		2	
				1										1							
				32	22	2								1	3	9	3	21	21	1	
		1		4	5									1	1	2	2	2	1		
				3		1											1	3			
				6		4						1	2			2	1	3	1		
				12		4						1				2	2	9	2		
3		8		72	18							12	5	12	2	14	5	28	6	6	
				2										1				1			
		2		5										3						2	
				1								1									
				4	2							1	1		1			3			
				22	19			1				11	11	8	4		2	4		2	
				5								2		2		1					
				1												1					
				1														1			
		1		22	13							10	6	5	5	5		2		2	
		1		12	2									1		4	1	7		1	
				12																	
				12																	
				3		1								1	1			2			
1				3								1		1	1						
1	1	4	1	145	112	3			1	1		6	1	4	12	43	26	90	73	6	1
				10		11						1				2	3	8	7		
1				8	6							1		1	2	2		5	3		
				4	4									1	1	1		2	3		
																		1			
		1		7	6							1	2	1		2	2	2	2	1	
				9	7							6	6	3	1						
				1								1									
				1										1							
				2								2									
				1										1				1			
				6	1									1		2		4			
		1		8	7							2	2	1		2	1	3	4		
				1												1					
						1	1											1			
				3	7							1	6		1			2			
		1		4	6							1	3	1			1	2		2	
		1		6	9							1	4	2	2	1		2		3	
3	3	7		171	144	8	1			3		8	8	11	10	45	33	113	90	*5	4

*At sea.....1.

TABLE No. II—Continued.

REPORT OF DEATHS REGISTERED DURING

CAUSES OF DEATH (International Classification)	GRAND TOTALS..	MALES	FEMALES	Social					
				Single		Married		Widowed	
				M.	F.	M.	F.	M.	F.
Dilatation of	62	27	35	6	7	16	12	5	16
Endocarditis, chronic	117	90	27	34	2	22	10	23	15
Fatty heart	42	15	27	2	2	9	10	3	17
Myocarditis, chronic	204	111	93	32	7	38	18	37	68
80 Angina pectoris	23	17	6	3	1	13	3	1	3
81 Diseases of the arteries—									
Aneurism of aorta	22	19	3	9	1	7	1	1	1
Arterio-sclerosis	79	49	30	11	3	20	7	17	20
Atheroma of	3	2	1					2	1
82 Embolism and thrombosis	15	8	7	1	1	5	5	2	2
83 Diseases of veins (Hemorrhoids)	1	1			1				
Phlebitis	6	5	1	3	1	1		1	
84 Diseases of lymphatics									
85 Hemorrhages—Hemophilia	6	4	2	4	2				
Purpura hemorrhagica	1	1		1					
86 Other diseases of circulatory system									
IV. Diseases of Respiratory System.									
87 Diseases of the nasal fossa adenoids..	1	1		1					
88 Diseases of the Larynx—									
Laryngitis	4	2	2	1	2	1			
Laryngismus stridulus	2	2		2					
88a Other diseases Larynx—									
Croup, spasmodic	2		2		2				
89 Diseases of thyroid body—									
90 Bronchitis, acute	32	16	16	9	9	5	3	2	5
Capillary Bronchitis	32	11	21	10	13		2	1	6
91 Bronchitis, chronic	53	25	28	7	3	9	8	8	17
92 Broncho pneumonia	156	83	73	57	49	11	7	14	17
93 Pneumonia	358	220	138	102	57	79	41	16	38
94 Pleurisy	32	25	7	12	1	7	3		3
95 Pulmonary congestion and apoplexy..	19	13	6	7	2	5	4		
96 Gangrene of lung	2	2		2					
97 Asthma (bronchial)	8	6	2	1	1	2		2	1
98 Pulmonary emphysema	2	2			1	1		1	
99 Other diseases of respiratory system									
Abscess of lung	2	1	1						1
V. Diseases of Digestive System.									
100 Diseases of mouth and adnexa—									
Thrush	1	1		1					
101 Diseases of Pharynx—									
Shock Foll. Ablation tonsil	2	2		1		1			
102 Diseases of esophagus—									
103 Ulcer of the stomach	29	19	10	5	3	13	1	1	6
Operative shock	2	1	1	1	1				
104 Other Diseases of Stomach—									
Gastritis, acute	6	3	3	1	1	2	1		1
Gastritis, chronic	5	2	3	1	1	1			2
Dilatation of	2	2							
Pyloric stenosis	2	1	1			1	1		
105 Diarrhea and enteritis (under 2 yrs.)									
Cholera infantum	9	5	4	5	4				
Diarrhea	13	6	7	6	7				
Enteritis	37	26	11	26	11				
Entero-colitis	10	7	3	7	3				
Gastro-enteritis	70	43	27	43	27				
Ileo-colitis	8	3	5	3	5				
106 Diarrhea and enteritis (over 2 yrs.)									
Diarrhea	7	3	4	1	1	2	2		1
Enteritis	3	3		1	1		1		1
Entero-colitis	5	2	3	2	2		1		
Gastro-enteritis	26	12	14	6	10	5	1		3

VITAL STATISTICS

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TABLE No. II—Continued.

FISCAL YEAR ENDING JUNE 30, 1909

FISCAL YEAR ENDING JUNE 30, 1905																						
Relation				Color								Nativity										
Divorced		Unascertained		White		Chinese		Japanese		African		San Francisco		Other Parts of Cal		Other States		Foreign		Unascertained		
M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
						27	33					3	2	1	1	7	11	16	21			
1		10				85	27	4		1		3		7	2	16	7	58	18	6		
		1				15	27					1	1	1	5	4	5	10	16			
		4				109	91	2	1		1	1	1	3	4	19	19	87	70	1		
						17	6					1		1	1	7	2	8	3			
			2			16	3	2		1				1		7	1	9	2	2		
1						47	23	1			1	1		1	12	8	37	21				
						2	1										1	1				
						8	7				1			1	4	2	3	4				
						5	1					1	1			1		3				
						4	2					3	1		1			1				
						1									1							
						1								1								
						2	2					1	1		1			1				
						13						2										
							2						2									
						16	16					7	6	3	3	4	1	5	6			
						10	20		1	1		7	6	2	5	1	4	1	6			
1						22	28					1	1	1	1	2	5	21	21			
			1			80	69	2		1	4	38	34	14	12	5	9	25	17	1	1	
2	2	21				212	134	4	1	1	3	2	34	39	25	23	42	105	57	14	2	
1		5				21	7	4					4	3	6	1		12	3	3		
		1				11	4	2	2			3		2	2	3		3	4	2		
						2												1				
			1			6	2					1		1	1			5				
						2										1		1				
			1			1	1									1		1				
											1					1						
						2								1				1				
						18	10	1				2	1	1	2	5	3	10	3	1	1	
						1	1									1		1				
						3	3					1	1		1	1		1				
						1			1				1	1		1						
						1	1			1						1		1				
						4	4	1				3	2	2	1						1	
						6	7					3	6	3								
						26	11					17	9	7	1				2		1	
						7	3						4	5				1				
						41	26		1		1	1	34	22	8	4				1	1	
						3	5						2	3	1	1					1	
						3	4								1		2	3	1			
							3						1			1		1				
						1	3	1				1	2	2			1	1				
			1			10	14					2	3	3	5	2	5	3	1			

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FISCAL YEAR ENDING JUNE 30, 1909

Relation				Color								Nativity									
Divorced		Unascertained		White		Chinese		Japanese		African		San Francisco		Other Parts of Cal		Other States		Foreign		Unascertained	
M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
					6	3	1						1	1	1	7					
					6	3						3	1		2	3	2				
			1		10	16	1					1	2	1	4	6	4	4	8		
					2	2						1	2	1							
					5	2						3	1	1				1			1
					1													1			
					2												2				
					1	1											1	1			
					2			1										1			
					2	2								1	2			1			
					1									1							
2	1	7	1		82	46	1				2	7	3	5	7	16	11	51	26	4	1
					2	7									2	1	1	1	4		
					6		1											7			
						3	1								1			1	2		
					1	2									1			1	1		
					2							1						1			
					1																
			1		1													1			
					2													1			
					5	4		2						1	1	1	6	2	1		
					1																
					1													1			
					20	18	1					7	5	3	6	3	4	17	3		
					4	1								1	1	1		2			
					2	1						1	1	1							
			1		25	20	1					4	4	4	8	5	5	12	2	1	1
9	2	18	2		233	133	18	1		4	1	16	9	20	18	57	40	147	68	15	2
					1	2									2			1			
						3	3						1			2	1	1	1		
			2			3												2		1	
					7	1							1					5			
					1							1									
					1					1								1			
					7											2		5			

TABLE No. II.—Continued.

REPORT OF DEATHS REGISTERED DURING

CAUSES OF DEATH (International Classification)	GRAND TOTALS	MALES	FEMALES	Social					
				Single		Married		Widowed	
				M.	F.	M.	F.	M.	F.
VII. Childbirth.									
134 Accidents of pregnancy—									
Abortion (natural causes acci'd.)	2		2					2	
(Self-induced)	4		4					4	
(Homicide)	1		1					1	
Extra Uterine Pregnancy	3		3					2	1
Do. (operative shock)	2		2					2	
Miscarriage	1		1					1	
135 Puerperal hemorrhage (post-partum)	5		5					5	
136 Other acc. of labor—Cesarian section	1		1					1	
Prolonged labor	3		3					3	
Placenta Previa	3		3					3	
Rupture of Uterus	1		1					1	
137 Puerperal septicemia	19		19			1		18	
138 Albuminuria and puerperal eclampsia	11		11			1		10	
139 Phlegmasia alba dolens									
140 Other puerperal accidents—									
141 Puerperal diseases of breast									
VIII. Diseases of the Skin.									
142 Gangrene—	8	7	1	2		1	1		3
(Operative shock)	1	1							1
Cancrum oris	1		1			1			
143 Carbuncle	1		1			1			
144 Acute abscess, etc.									
145 Other diseases of the skin—									
Cellulitis of leg	1	1		1					
Cellulitis of neck	1	1							
Pemphigus	1	1		1					
IX. Diseases of Locomotor System.									
146 Non-tuberculous disease of bones—									
Mastoid abscess	10	6	4	4		1	2	1	2
Rickets	3	2	1	2		1			
Osteomyelitis femur									
Septicemia following	1	1					1		
Necrosis Hip-Bone (opr. shock)	1		1					1	
147 Arthritis and other affections joints									
148 Amputation									
149 Other diseases organs of locomotion									
X. Malformations.									
150 Hydrocephalus	3	1	2	1	2				
150a Congenital malform. heart—Cyanosis	27	16	11	16	11				
150b Other congenital malformations—									
Cleft palate	1		1		1				
Imperforate anus	1	1		1					
Spina bifida	2	1	1	1	1				
XI. Early Infancy.									
151 Premature birth	111	59	52	59	52				
151a Congenital debility—Atelectasis	2	2		2					
Icterus neonatorum	7	4	3	4	3				
Inanition	75	48	27	48	27				
Marasmus	45	26	19	26	19				
152 Other diseases early infancy—									
Asphyxia neonatorum	6	5	1	5	1				
Umbilical hemorrhage	4	3	1	3	1				
Pyogenic infect. new-born	1		1		1				

VITAL STATISTICS

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TABLE No. II—Continued.

FISCAL YEAR ENDING JUNE 30, 1909

Relation				Color								Nativity									
Divorced		Unascertained		White		Chinese		Japanese		African		San Francisco		Other Parts of Cal		Other States		Foreign		Unascertained	
M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
							2										1			1	
							4						3				1				
							1										1				
																	1				
							2										1			2	
							3		1								1				
																	1				
							1						1								
							5						2				1			2	
							1													1	
							1														
							3								1					2	
							3								1					1	
							3								1		1				
							1								1						
							19						3		10					6	
							10					1	5		2		1			3	
							6	1	1							5	1		2		
							1									1					
								1								1				1	
							1								1						1
							1						1								
							6	3				1	1	1	1	1	2	2		1	1
							2	1					1	1	1						
							1											1			
								1												1	

TABLE No. II—Continued.

REPORT OF DEATHS REGISTERED DURING

CAUSES OF DEATH (International Classification)				GRAND TOTALS	MALES	FEMALES	Social					
							Single		Married		Widowed	
							M.	F.	M.	F.	M.	F.
XII. Old Age.												
154	Senility	132	57	75	7	4	17	7	32	63		
XIII. Violence.												
155	Suicide by Poison—											
	Ammonia	1		1		1						
	Arsenic	1		1				1				
	Bi Chloride Mercury	3	26	12	12	2	9	6	3	2		
	Carbolic acid	3	3	1	1		2					
	Chloroform	3	1	2				1	2			
	Corrosive sublimate	14	13	1	3	1	8		2			
	Cyanide of potassium	1		2				2				
	Lysol	2	3	1			1					
	Morphine	10	10	3			5					
	Opium	1	1	1								
	Strychnine	1	1	1								
	Sulphuric acid	29	20	9	10	1	3	7	1	1		
156	Suicide by asphyxia (illum. gas).....	16	16		8		3		1			
157	Suicide by hanging	7	7	1	3		1			1		
158	Suicide by drowning	77	74	3	33	1	29	1	5	1		
159	Suicide by firearms	19	19		7		9		1			
160	Suicide by Cutting.....	6	5	1	4			1	1			
161	Suicide by jumping from high places											
162	Suicide by crushing											
163	Other Suicides (Ignition clothing with Kerosene).....	1	1				1					
164	Fractures—											
	Of leg—Fall from window.....	1		1				1				
	Neck—Fall from table.....	1	1				1					
	Pelvis—Crushed by falling wall.....	1	1		1							
	Crushed by caving earth.....	1	1		1							
	Fall from building.....	1	1		1							
	Skull crushed by projecting rock	1	1				1					
	Crushed by falling wall.....	1		1			1					
	Fall from balcony.....	12	12		11							
	Fall from building.....	1	1									
	Fall into basement.....	1	1									
	Fall from cliff.....	1	1									
	Fall down elevator shaft.....	2	2		1		1					
	Fall from ladder.....	1	1		1							
	Fall down light well.....	1	1				1					
	Fall from loft.....	2	2		1							
	Fall on pavement.....	3	2	1	1	1	1					
	Fall from pile-driver.....	1	1				1					
	Fall from scaffold.....	3	3		1		2					
	Fall into hold of ship.....	1	1		1							
	Fall down stairs.....	5	5		2		1		1			
	Fall from tree.....	1	1		1							
	Fall from window.....	2		2				2				
	Struck by falling box.....	1	1				1					
	Struck by iron bucket.....	1	1									
	Manner unknown.....	1	1									
	Spine—(Not specified).....	1	1				1					
	Thigh—Fall from scaffold.....	3	3				2					
164a	Crushed by elevators.....	13	12	1	9		1	1	1			
165	Dislocations											
166	Accidental gunshot wounds											
	Self-Inflicted.....	3	3		2							
166a	Injuries by machinery	4	4		2		2					
166b	Injuries in mines and quarries—	3	3		1		1					

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FISCAL YEAR ENDING JUNE 30, 1909

[illegible]

TABLE No. II—Continued.

REPORT OF DEATHS REGISTERED DURING

CAUSES OF DEATH (International Classification)	GRAND TOTALS..	MALES	FEMALES	Social					
				Single		Married		Widowed	
				M.	F.	M.	F.	M.	F.
166c Railroad accident and injuries—									
Run over by train	3	3		1					
Struck by locomotive	4	2	2	2	1				
166d Street car accidents and injuries—									
Run over by cable car	12	9				2			
Struck by cable car	1	1							
Fall from electric car	6	5	1	4	1				
Run over by electric car	9	7	2	4	1	2	1		
Struck by electric car	35	31	4	8	3	16	1	3	
Jumped from electric car	12		2						2
Swept from (riding blind)	1	1		1					
Collision bet. electric cars	1	1		1					
Between cable and electric	1	1		1					
Between electric and wagon	1	1				1			
166e Injuries by horses and vehicles—									
Col. bet. auto and electric car	2	2				2			
Struck by automobile	5	4	1	4	1				
Hurled from automobile	1	1						1	
Dragged by runaway horse	1					1			
Struck by runaway horse	3	2	1			2			1
Kicked by horse	4	4		1		2		1	1
Run over by truck	3	2	1		1	2			
Crushed by overturned wagon	1	1				1			
Fall from wagon	2	2		2		1			
Run over by wagon	2	2	1	1		1			1
Thrown from, in runaway	2	2		2					
166f Other accidental traumatism—									
Cerebral Hemorrhage—									
Fall from loft	1	1		1					
Fall on pavement	1		1				1		
Fall down stairs	1	1		1					
Concussion brain, Fall from chair	1	1						1	
Fall from gang-plank	1	1		1					
Fall from slide-board	1	1		1					
Fall (not specified)	1		1						1
Crushing body—by caving earth	2	2				2			
By fall from building	4	4		1		3			
By fall from balcony	1	1				1			
By fall from ladder	1	1				1			
By fall from window	1	1				1			
Rupture Liver—fall from window	1	1		1					
Rup. Spleen—fall from scaffold	1	1		1					
Perfor. Wd. abdomen (fall)	1	1				1			
Perfor. skull (surgical inst.)	1		1		1				
Injury to back	1	1						1	
Dynamite explosion	1	1		1					
167 Burns and scalds—Burns—									
Burns—Acc. ignition clothing									
From open grate	1		1				1		
do. From gas stove	1		1		1				
From escaping steam	2	1	1	1	1				
Playing with matches	2	2		1		1			
From boiling water	2	1	1	1	1				
In burning buildings	7	6	1			1	1		
Fire on board ship	1	1		1					
168 Burning by corrosive substances	1	1							
169 Heat and sunstroke									
170 Cold and freezing									
171 Electricity									
172 Accidental drowning (in bay)	43	41	2	15	1	9	1	3	
in bath tub	1	1		1					

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FISCAL YEAR ENDING JUNE 30, 1909

[illegible]

TABLE No. II—Continued.

REPORT OF DEATHS REGISTERED DURING

[illegible]

VITAL STATISTICS

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TABLE No. II—Continued.

FISCAL YEAR ENDING JUNE 30, 1909

Relation				Color								Nativity									
Divorced		Unascertained		White		Chinese		Japanese		African		San Francisco		Other Parts of Cal.		Other States		Foreign		Unascertained	
M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
		1		1																1	
		2		30		5						1	1	1		5	2	21		2	2
				1											1			1			
				2		1				1					1		1		1		
				1								1									
				2		1						1						1		1	
						1						1					1				
						1							1								
						1							1								
				2		2									1	1	1	1			
				1		1							1	1							
				1		1							1	1							
									1						1						
						1						1						1			
				1		8						6	8	2							
				3		1						2	1	1							
				4		1								2							
				5					1							1					
1	1	1		19		8	1		8			3	1	3	2	3	1	12		4	2
				1								1									
						5	1											4		1	1
						3	8					2	8								1
						22	11	1				1	13	8	10	4					
		1																			
						2												2			

[illegible]

*Washington Sq. 1; Golden Gate Park 2; on Ferry Boat 1.

TABLE No. II—Continued.
REPORTS OF DEATHS REGISTERED DURING FISCAL YEAR ENDING JUNE 30, 1909.

CAUSES OF DEATH (International Classification)	PLACE OF DEATH														Non-Resi- dent		
	1st District		2nd District		3rd District		4th District		5th District		En route to Hospital		Pub. Inst- t'ns, hos- pitals, etc			Refugee Camps	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.		M.	F.
92 Broncho pneumonia	21	23	7	8	9	9	16	13	7	1	1	23	17	4	4	4	5
93 Pneumonia	43	26	23	17	8	14	28	33	11	10	2	104	55	9	9	5	5
94 Pleurisy	5	3	3	1	1	1	1	1	2	1	1	14	3	1	4	1	4
95 Pulmonary congestion and apoplexy ..	5	3	4	1	1	1	1	1	1	1	1	2	1	1	4	1	1
96 Gangrene of lung	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
97 Asthma (bronchial)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
98 Pulmonary emphysema	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
99 Other diseases of respiratory system ..	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Abscess of lung	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
V. Diseases of Digestive System.																	
100 Diseases of mouth and adnexa—	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Thrush	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
101 Diseases of Pharynx—	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Shock Foll. Ablation tonsil	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
102 Diseases of esophagus—	29	19	10	3	1	1	6	3	2	2	2	10	3	4	4	4	4
Ulcer of the stomach	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Operative shock	6	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1
104 Other Diseases of Stomach—	5	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Gastritis, acute	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Gastritis, chronic	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Dilatation of	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Pyloric stenosis	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
105 Diarrhea and enteritis (under 2 yrs.)	9	5	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1
Cholera infantum	13	6	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Diarrhea	37	26	11	6	1	2	1	1	1	1	1	14	6	1	1	1	1
Enteritis	10	7	3	1	1	1	1	1	1	1	1	2	2	2	2	2	2
Enterocolitis	10	7	3	1	1	1	1	1	1	1	1	2	2	2	2	2	2
Gastro-enteritis	70	43	27	13	7	6	3	1	2	13	9	3	3	3	3	3	3

*On ship—Bay.

[illegible]

IX. Diseases of Locomotor System.

[illegible]

X. Malformations.

[illegible]

TABLE No. II—Continued.
REPORTS OF DEATHS REGISTERED DURING FISCAL YEAR ENDING JUNE 30, 1909.

CAUSES OF DEATH (International Classification)	PLACE OF DEATH																
	1st District		2nd District		3rd District		4th District		5th District		En route to Hospital		Pub. Inst. hos- pitals, etc		Refugee Camps		Non Resi- dent
	M. F.		M. F.		M. F.		M. F.		M. F.		M. F.		M. F.		M. F.		
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.			
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1		1		1		1		1		1		
	1		1		1												

*Golden Gate Park.

VITAL STATISTICS

[illegible]

TABLE No. III—Continued.

DEATHS BY SANITARY DISTRICTS, PUBLIC INSTITUTIONS, HOSPITALS, ETC., ARRANGED ACCORDING TO MONTHS—FISCAL YEAR ENDING JUNE 30, 1909

LOCATION	GRAND TOTALS...	MALES	FEMALES	1908												1909											
				July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June												
				M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.												
				M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.												
University of California Hospital	75	53	22	3	3	4	4	3	6	8	1	1	3	3	2	3	4	2	5	2	8	4	5	1			
Wakefield Hospital	1	1	1																								
Walker Sanatorium	5	5	1																								
Wendell Holmes Sanatorium	2	1	1																								
Totals	1,517	927	590	71	61	76	56	73	39	85	42	82	53	80	46	86	54	78	42	77	56	71	52	86	45	62	41
United States Institutions.																											
U. S. Marine Hospital	37	37				2	5	4	4	3	3	5	4	3	2	5	4	3	2	4	1	3	2	4		2	
U. S. Army General Hospital	36	31	5	1	1	1	4	1	2	6	6	5	3	2	4	1	3	1	1	1	1	1	1	2		2	
Presidio Reservation	5	5				2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Alcatraz Island	1	1																									
Yerba Buena Island (Naval Station)	7	7				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Totals	86	81	5	2	1	6	11	6	6	6	10	11	7	2	7	1	7	1	7	1	4	4					
En Route to Hospital	20	18	2	1	1	1	1	1	1	1	1	1	2	1	4	1	1	1	1	1	1	1	1	1	4		
Bay of San Francisco	51	49	2	4	3	5	2	2	4	4	4	8	3	5	2	1	1	1	1	1	1	1	1	2	7	1	
Pacific Ocean	5	4	1				1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	3	
Golden Gate and Other Parks	14	14		3	1	1																					
Totals	90	85	5	8	6	6	6	6	3	11	4	8	1	8	11	6	7	4	2	14							

TABLE No. IV.

NATIVITIES OF DECEDENTS ARRANGED ACCORDING TO MONTHS—
FISCAL YEAR ENDING JUNE 30, 1909

	GRAND TOTALS..	1908						1909.					
		July.....	August.....	Sept.....	October.....	November.....	December.....	January ..	February..	March	April.....	May.....	June
Total Deaths during year	6,149	485	489	448	496	518	527	554	526	580	515	536	475
NATIVITIES													
San Francisco.....	1,193	105	98	92	98	92	101	110	103	113	95	97	95
Other Parts of California.....	83	69	80	63	76	64	50	66	53	92	68	78	80
Other States and Territories.													
Alabama.....	4		1	1									
Alaska.....													
Arizona.....	1						1	1				2	
Arkansas.....								1	1	1	1	1	
Colorado.....	1						1						2
Connecticut.....	24	1	1		2	2	1	1	1	1	6	2	3
Delaware.....	1			1									
District of Columbia.....	1			2			1						
Florida.....	1					1		1					
Georgia.....	1				1			1	3				
Hawaiian Territory.....	6	1				2		1			2		
Idaho.....	1								1				
Illinois.....	65	6	4	4	5	1	4	8	5	11	5	6	4
Indiana.....	20	1	2	3	1	4	1	1	2	1	5	4	2
Indian Territory.....													
Iowa.....	21	2	3	6			1	1	2	2		2	
Kansas.....	10				1	1		1	1	2		1	1
Kentucky.....	20		1	1	4	2	3		4	2		2	
Louisiana.....	22	2	2	1	1	1	1	4	1	1	3	2	2
Maine.....	57	3	4	8	7	5	6	4	4	9	2	3	4
Maryland.....	19	1	2	3	1	1	2	2	1	4		2	
Massachusetts.....	118	8	11	5	7	6	10	5	18	12	16	11	8
Michigan.....	34	4	3	1	4	4		4	3	1	1	5	4
Minnesota.....	6			1	1	1	1	2					
Mississippi.....	3		1				1					1	
Missouri.....	53	6	7	3	4	4	2	6	5	3	5	4	4
Montana.....	2											2	
Nebraska.....	6	2	1		1	1	1						
Nevada.....	19		1	2		2		2	2	3	3	3	1
New Hampshire.....	16				2	2	4	3		1	2	2	
New Jersey.....	20	2	3	2	1	1	1	4	1	1	1	3	
New Mexico.....													
New York.....	245	18	17	22	13	25	24	19	22	26	20	27	14
North Carolina.....	2	1				1					1		
North Dakota.....	1									1			
Ohio.....	70	5	3	7	4	6	3	7	7	7	8	8	5
Oklahoma.....	1												
Oregon.....	13	2	1	1		2	2	1				1	
Pennsylvania.....	87	5	3	5	5	5	9	7	12	10	11	10	5
Rhode Island.....	11	1	1	1			1	1	2	1		1	2
South Carolina.....	6	2				1		1	1				1
South Dakota.....													
Tennessee.....	12		2	1		1	1	3	3			1	
Texas.....	8		2	1			2				2	1	
Utah.....	5	1								2	1	1	
Vermont.....	12	4	2	1	1		1	2		1			
Virginia.....	24		2		2	3	1	4	6		2	1	2
Washington.....	11	1		2		2		2		2		1	1
West Virginia.....	3	1				1				1			
Wisconsin.....	24	1	3	1	4	3	1	3	1	2	2		3
Wyoming.....	1					1							
Totals.....	1,121	82	83	86	78	93	87	107	117	112	98	109	69

TABLE No. IV—Continued.

NATIVITIES OF DECEDENTS ARRANGED ACCORDING TO MONTHS—
FISCAL YEAR ENDING JUNE 30, 1909

	GRAND TOTALS.		1908						1909					
			July.....	August.....	Sept.....	October.....	November.....	December.....	January.....	February.....	March.....	April.....	May.....	June.....
Foreign Countries														
Austria.....	45		4	3	2	7	4	3	3	6	6	2	5	
Australia.....	25	3		2	1	1	4	6	2	1	1		4	
Belgium.....	9	1	1			3	1	2	1					
Canada.....	73	1	4	9	2	33	2	7	10	5	9	7	2	
Central America.....	5					1	2							
China.....	148	17	13	9	10	12	16	9	12	14	12	16	8	
Denmark.....	44	2	4	3	6	5	5	6			6	2	5	
East Indies.....	3			1			1	1						
England.....	209	15	11	16	22	20	26	14	24	21	10	22	14	
Finland.....	20		2	2	2	5	1	1	2		4		1	
France.....	148	9	7	12	11	17	19	13	15	11	14	12	8	
Germany.....	565	45	48	35	39	49	59	66	38	53	45	48	40	
Greece.....	21	2	1		4	1	2	2	1	4		1	3	
Guam.....	1									1				
Holland.....	9		2	1		1		1	1			2		
Hungary.....	13	1	4		1			1		3	1	1	1	
India.....	2				1			1						
Ireland.....	797	58	53	46	53	76	73	83	66	80	77	65	67	
Isle of Man.....	2			1									1	
Italy.....	195	13	10	19	17	14	20	19	18	18	13	14	20	
Japan.....	34	3	2	3	6	3	2		2	4	4	2	3	
Korea.....	3							1				1	1	
Mexico.....	27	3	2	1	5		4	3	1	3	2		3	
New Brunswick.....	18	2	1	1		1	4	3	2	1	1	2		
Newfoundland.....	4			1		1				1		1		
New Zealand.....	3		1									1		
Norway.....	37	5	1	5	2	1	4	6	3	1	2	4	3	
Nova Scotia.....	12		3	1	4				1		1	2		
Philippines.....	2				1	1								
Poland.....	17	1	2		1	3			2		2	1	3	
Porto Rico.....	6	1	1		2					1	1			
Portugal.....	15	1		1	1	1	2		4	2	1	1	1	
Roumania.....	5				1		2	2		1	1			
Russia.....	36	3	2	6	1	2	5	12	3	2	3	3	4	
Scotland.....	70	7	9	7	8	7	3	2	7	2	6	10	2	
South America.....	8		1						2	1	1	2	1	
Spain.....	13	3		3			1	1	2		2	1		
Sweden.....	90	5	11	5	8	6	6	7	9	7	11	9	6	
Switzerland.....	47	7	2	3	5	5	5	1	3	5	2	4	5	
Turkey.....	2					1							1	
Wales.....	10		1				1	1		3	1		1	
West Indies.....	6			1	1					1	1	1	1	
At Sea.....	2			1									1	
Totals.....	2,801	208	203	198	225	247	272	264	235	255	240	240	214	
Unascertained.....	199	22	24	8	21	22	18	13	17	8	16	11	19	

VITAL STATISTICS .

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ANNUAL REPORT OF INTERMENT, CREMATION AND SHIPPING PERMITS 1908-1909.

TO	1908						1909						TOTALS		
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June			
San Francisco Cemeteries															
Calvary Receiving Vault.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
I. O. O. F. Rec. Vault.....	70	74	69	65	75	78	70	67	73	51	74	71	840	71	840
I. O. O. F. Crem.....	0	0	2	2	0	0	1	1	2	2	0	0	1	0	12
Laurel Hill Vault.....	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0
Masonic Vault.....	5	23	24	1	9	9	9	8	10	11	8	6	125	6	125
National Presidio.....	0	2	3	3	2	2	1	4	1	1	1	0	20	0	20
U. S. M. H.....	61	74	49	68	61	49	58	68	89	66	72	59	774	59	774
San Mateo County Cemeteries															
Cypress Lawn Vault.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cypress Lawn Crem.....	1	1	0	1	3	4	1	3	2	4	2	4	1	2	1
Eternal Home.....	12	12	18	10	13	9	15	9	11	13	7	8	131	8	131
Green Lawn.....	7	7	7	6	11	12	9	18	11	20	19	6	108	6	108
Hills of Eternity.....	161	161	150	167	193	185	226	185	220	204	190	161	2206	161	2206
Holy Cross.....	7	9	4	2	9	6	3	37	31	31	34	40	390	3	390
Home of Peace.....	32	26	39	23	20	41	33	37	31	31	34	40	390	3	390
Italian.....	0	0	1	1	0	1	1	2	2	2	2	10	10	0	10
Japanese.....	95	72	50	72	100	85	85	70	83	79	88	71	962	71	962
Mt. Olivet.....	5	8	11	16	10	15	8	3	19	6	9	9	119	9	119
Salem.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Mateo—Indigent.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Mateo—Chinese.....	15	16	9	12	11	11	12	12	18	15	18	11	160	11	160
Servian.....	0	1	2	1	0	1	2	0	0	2	0	1	10	0	10
Sunset—Indigent.....	53	37	33	44	36	40	58	53	40	42	41	43	523	41	523
Woodlawn.....	6	5	7	4	4	10	4	10	8	6	12	7	83	7	83
Yerba Buena.....	1	0	0	0	0	0	0	1	0	0	1	1	0	0	0
Medical Colleges.....	1	6	11	23	8	8	5	5	1	7	12	10	97	10	97
Outside Points.....	63	72	53	57	62	51	48	51	67	52	55	51	691	55	691
Total.....	595	611	551	578	627	621	651	616	691	690	697	565	7258	565	7258
No. of Indigent Dead Interred.....	80	55	49	60	7	53	61	59	60	59	57	55	653	55	653

Respectfully submitted,
P. STANTON

ANNUAL REPORT OF DISINTERMENT AND REMOVAL PERMITS ISSUED DURING FISCAL YEAR 1908-1909.

	1908						1909						Totals
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	
DISINTERMENTS FROM.													
Calvary Cemetery	47	38	24	31	27	10	36	15	26	22	37	36	379
City Cemetery	19	28	15	18	2	6	9	0	3	0	4	8	103
L. O. P. Cemetery	6	2	11	8	4	2	9	8	14	10	5	8	90
L. O. P. Cemetery (Ashes)	41	56	30	28	31	13	39	30	43	44	40	52	477
Laurel Hill Cemetery	6	2	5	19	14	7	1	0	3	5	9	5	76
Masonic Cemetery	9	13	12	7	12	4	5	6	0	10	13	31	122
Mission Dolores Cemetery	0	0	0	0	0	0	0	0	0	0	0	0	0
National (Presidio) Cemetery	0	1	0	0	0	0	0	0	0	0	2	0	3
U. S. Marine Hospital Cemetery	0	1	0	0	0	0	0	0	0	0	0	0	3
Total	128	140	100	111	90	102	90	59	89	91	110	140	1250
REMOVALS TO.													
Cypress Lawn Cemetery	8	4	9	13	10	9	10	5	5	2	10	4	89
Etterman Home Cemetery	0	0	0	2	0	0	0	0	2	0	0	0	4
Greenlawn Cemetery	8	1	4	2	3	0	6	0	14	4	4	10	56
Hills of Eternity Cemetery	47	46	24	27	28	39	38	15	26	21	39	37	387
Holy Cross Cemetery	3	1	1	1	0	7	0	1	1	0	0	0	7
Home of Peace Cemetery	17	14	8	23	2	7	0	0	0	0	3	8	82
Italian Cemetery	0	0	0	0	0	0	0	0	0	0	0	0	0
Japanese Cemetery	0	0	0	0	0	0	0	0	0	0	0	0	0
Mt. Olivet Cemetery	2	4	7	12	7	1	3	1	3	15	6	10	71
Servian Cemetery	2	0	0	0	0	0	0	0	0	0	0	0	3
Salem Cemetery	0	0	1	2	0	0	0	0	0	0	0	0	3
San Mateo Chinese Cemetery	0	0	0	0	0	0	0	0	0	0	0	0	0
Sunset Cemetery	0	0	0	0	0	0	0	0	0	0	0	0	0
National (Presidio) Cemetery	0	0	0	0	0	0	0	0	0	0	0	0	0
Woodlawn Cemetery	8	2	9	5	7	4	0	4	2	13	5	15	71
L. O. P. Cemetery	5	1	0	1	2	4	0	0	2	3	4	1	28
Laurel Hill (Incinerated Ashes)	3	6	0	0	3	2	4	3	6	3	7	3	38
Masonic Cemetery (Incinerated Ashes)	3	3	3	0	2	4	4	1	2	2	2	2	32
Homes (Incinerated Ashes)	9	24	11	7	9	13	11	15	12	11	45	11	151
Cal. Interior (Bodies)	1	15	3	7	1	3	3	1	0	0	3	13	43
Cal. Interior (Incinerated Ashes)	6	10	6	5	9	12	5	3	10	6	7	13	62
Other States	5	9	7	8	7	4	7	3	4	9	5	9	77
Total	128	140	100	111	90	102	90	59	89	91	110	140	1250
Fees Collected	\$20.00	10.00	.....	10.00	20.00	.....	.....	.....	20.00	10.00	10.00	20.00	120.00

Respectfully submitted

LAWRENCE WALSH,
Disinterment Inspector







1 Number of Children who are absent % of illness
" " " " 1 week
" " " " 2 "
" " " " 4 "

No of Children Not borned as % of illness
about classed as contacts;



